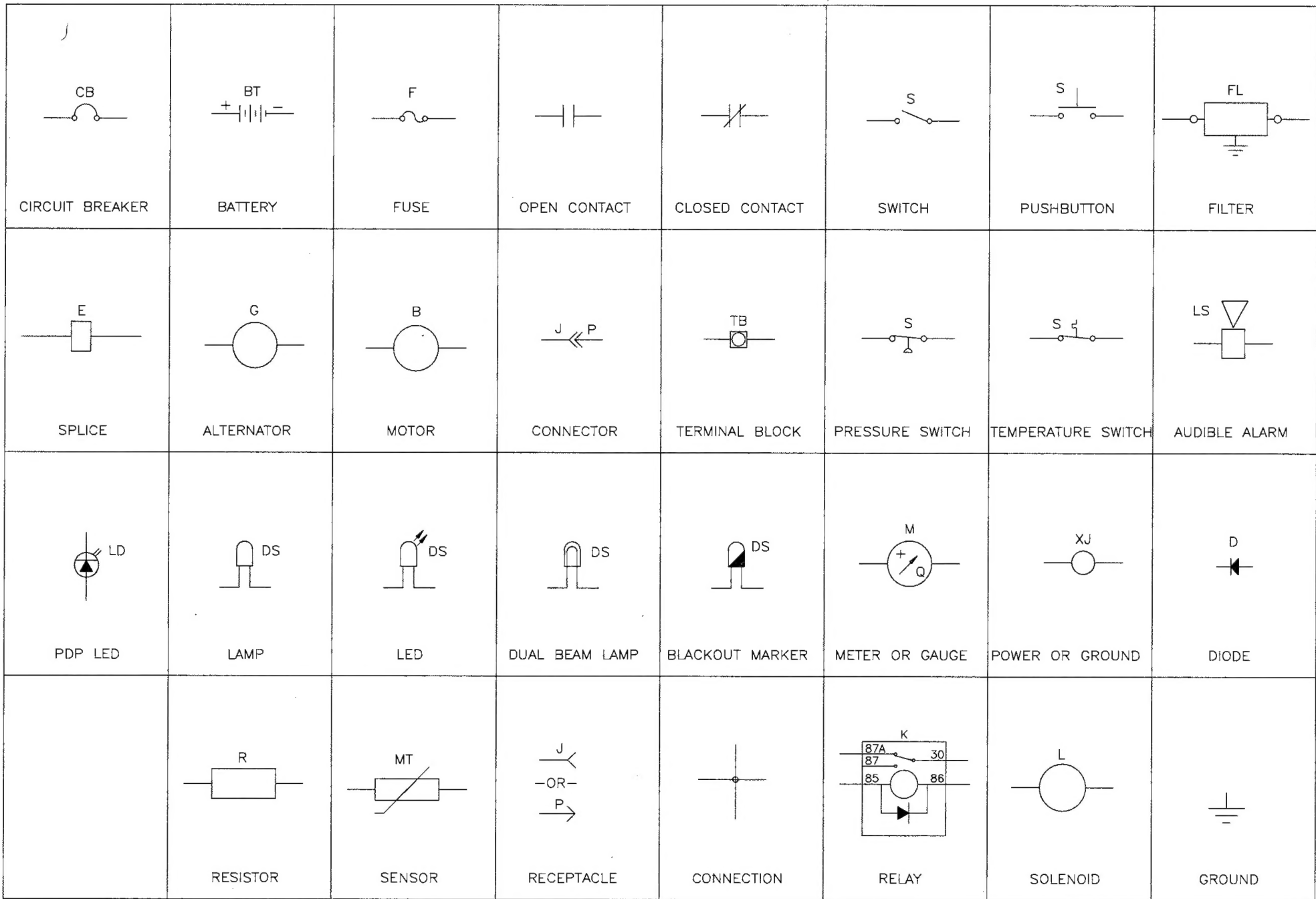


- NOTES:
1. APPLICABLE STANDARDS/SPECIFICATIONS:  
A: DOD-STD-100G  
B: ASME Y14.5M-1994
  2. IEEE/ASTM SI 10 SHALL BE USED IN CONVERTING AND ROUNDING OFF.  
1 INCH=25.4mm APPLIES.
  3. B4 HEATER POSITIONS  
0 - OFF  
1 - LOW  
2 - MED  
3 - HIGH
  4. APPLIES TO VEHICLE SERIAL  
No's 18550 TO 100,000.
  5. FOR GENERAL CROSS REFERENCE, THIS  
SCHEMATIC IS DERIVED FROM THE STANDARD  
FMTV ELECTRICAL SCHEMATIC: 12422872.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
-	-	-INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-08-02	A. CHAUDHURI
				EDP AC



LSAC CAB MODEL	CHASSIS CONFIGURATION	CAB/CHASSIS INTERFACE ADAPTER HARNESS	SHEET NO.
A1 CAB (PCB & WTEC III TRANSMISSION)	A1 CHASSIS	N/A	1 TO 22
A1 CAB (PCB & WTEC III TRANSMISSION)	A0 CHASSIS	APC30156 (ENGINE CONTROL) APC30157 (TACHOMETER)	23 TO 39

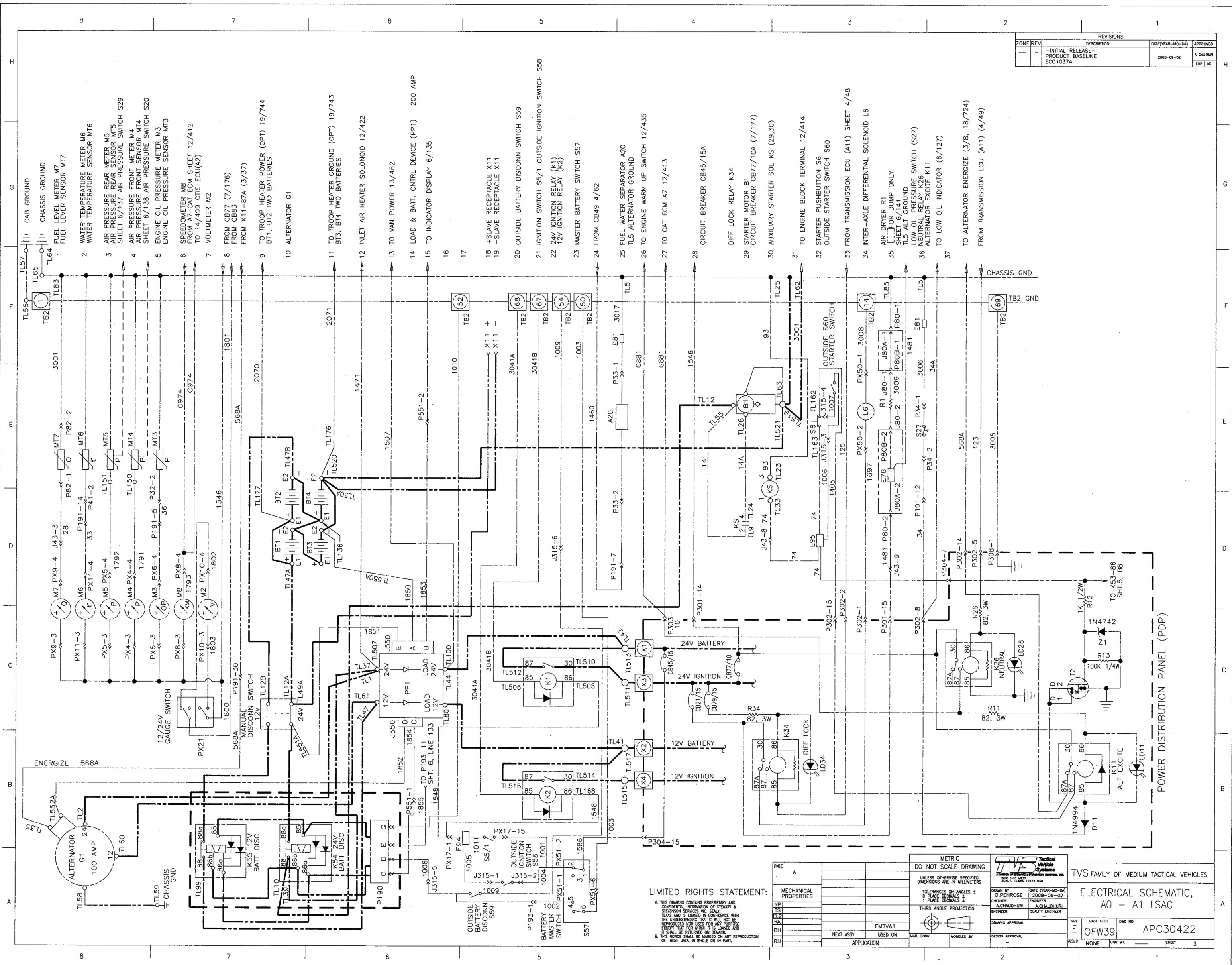
LIMITED RIGHTS STATEMENT:



METRIC DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TVS Tactical Vehicle Systems A DIVISION OF PACCAR, A PACCAR COMPANY, INC. 2000 P.O. BOX 77474 SEATTLE, WA 98177-4744 USA	
TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY: D. PENROSE CHECKED: A. CHAUDHURI ENGINEER: A. CHAUDHURI QUALITY ENGINEER: A. CHAUDHURI	
THIRD ANGLE PROJECTION		DATE (YEAR-MO-DA) 2008-08-02	
FMTVA1		DRAWING APPROVAL	
NEXT ASSY USED ON		DESIGN APPROVAL	
APPLICATION		SCALE: NONE UNIT WT. SHEET 1 OF 40	
TVS FAMILY OF MEDIUM TACTICAL VEHICLES		ELECTRICAL SCHEMATIC, A0 - A1 LSAC	
SIZE: E CASE CODE: 0FW39 DWG NO: APC30422			

EQUIPMENT LIST REF				EQUIPMENT LIST REF				EQUIPMENT LIST REF			
REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION
A1	FLASHER UNIT	8	213	DS56	FRONT TOP (ID) RIGHT AMBER	9	256	E84	SPICE	9	232
A2	CENTRAL TIRE INFLATION SYSTEM ECU	14	490	DS57	FRONT RIGHT UPPER AMBER	9	257	E85	SPICE	20	777
A3	DIMMER MODULE	5	125	DS58	FRONT LEFT UPPER AMBER	9	258	E86	SPICE	20	777
A4	CAB RADIO (GFE)	5	75	DS59	FRONT RIGHT LOWER AMBER	9	259	E87	SPICE	20	777
A5	CTIS PNEUMATIC CONTROL UNIT	14	494	DS60	FRONT LEFT LOWER AMBER	9	262	E88	SPICE	11	372
A7	ENGINE ECM	12	402	DS61	RIGHT DOOR MARKER AMBER	9	260	E89	SPICE	6	146
A8	ABS ECU	7	147	DS62	LEFT DOOR MARKER AMBER	9	263	E90	SPICE	20	778
A10				DS63	WORK LIGHTS ON/OFF	6	116	E91	SPICE	20	778
A11	ELECTRONIC CONTROL UNIT	4,5,10,6	49,78,309,146	DS64	BLACK OUT OVERRIDE	6	117	E92	SPICE	20	778
A12	GEAR SELECTOR	5	93	DS65	LEFT SIDE REAR MARKER RED	10	283	E93	SPICE	3	30
A13	TRANSMISSION CONNECTOR	5	84	DS66	LEFT REAR/REAR MARKER RED	10	284	E94	SPICE	3	17
A18	INDICATOR PANEL	5	127	DS67	RIGHT SIDE REAR MARKER RED	10	285	E95	SPICE	3	32
A19	ARCTIC KIT ECU	11,19	350,768	DS68	RIGHT REAR/REAR MARKER RED	10	286	F	DOOR AJAR FLASHER	13	456
A20	FUEL WATER SEPARATOR	3	25	DS69	REAR (ID) LEFT RED	10	287	F1	FUSE	19	755
A21	INSTRUMENT PANEL	6	112	DS70	REAR (ID) MIDDLE RED	10	288	F2	FUSE	13	462
B	ARCTIC KIT HEATER PUMP MOTOR	11	350	DS71	REAR (ID) RIGHT	10	289	F3	FUSELINK	12	420
B1	STARTER MOTOR	3	29	DS72	REAR COMPOSITE MARKER LEFT	10	290	FL1	EMI WIPER PUMP	18	721
B2	WIPER MOTOR	18	720	DS73	REAR COMPOSITE MARKER RIGHT	10	291	FL2	EMI WIPER MOTOR	8	188
B3	WASHER MOTOR	18	722	DS74	HEADLIGHT RIGHT	9	238	FL3	EMI HEATER MOTOR	3	10
B4	HEATER MOTOR	3	127	DS75	INTERIOR LIGHT	13	474	G1	ALTERNATOR 100 AMP	3	22
B5,B5A	AUXILIARY OIL COOLER FAN MOTOR	4	42	DS76	INTERIOR LIGHT	13	474	G2	ALTERNATOR 200 AMP	3	22
B9	SWING FIRE PUMP MOTOR	11	379	DS77	CHECK TRANSMISSION	6	139	K5	AUXILIARY STARTER SOLENOID	18	721
B10	TRANSFER CASE CONNECTOR	5	77	DS78	INTERIOR LIGHT	13	472	K1	24V IGNITION RELAY	3	22
B11	VAN FAN MOTOR	13	450	DS79	INTERIOR LIGHT	13	472	K2	12V IGNITION RELAY	3	22
B12	SWING FIRE HEATER	11	378	DS80	INTERIOR LIGHT	13	472	K4	SPARE RELAY	14	506
B11	BATTERY	3,18	9,732	DS81	INTERIOR LIGHT	13	482	K5	WIPER RELAY	18	706
B12	BATTERY	3,18	9,732	DS82	INTERIOR LIGHT	13	482	K6	(NOT USED)		
B13	BATTERY	3,18	9,732	DS83	INTERIOR LIGHT	13	482	K7	HEADLIGHT RELAY	9	237
B14	BATTERY	3,18	11,732	DS84	EXTERIOR MARKER LIGHT	13	482	K8	LOW/HIGH BEAM RELAY	9	237
B15	BATTERY	3,18	11,732	DS85	EXTERIOR MARKER LIGHT	13	482	K9	HAZARD FLASHER RELAY	8	198
CB1	CIRCUIT BREAKER	13	451	DS86	EXTERIOR MARKER LIGHT	13	467	K10	STOP/LIGHT RELAY	3	36
CB2	CIRCUIT BREAKER	13	451	DS87	EXTERIOR MARKER LIGHT	13	467	K11	EXCITATION RELAY	10	286
CB3	CIRCUIT BREAKER	13	451	DS88	EXTERIOR MARKER LIGHT	13	467	K12	WORK LIGHT RELAY	9	233
CB4	CIRCUIT BREAKER	13	451	DS89	EXTERIOR MARKER LIGHT	13	467	K13	ROTARY WARNING RELAY	12	429
CB5	CIRCUIT BREAKER	13	454	DS90	EXTERIOR MARKER LIGHT	13	469	K14	AUXILIARY COOLER RELAY	12	427
CB7	CIRCUIT BREAKER	13	454	DS91	EXTERIOR MARKER LIGHT	13	469	K16	EXHAUST BRAKE RELAY	7	176
CB8	CIRCUIT BREAKER	13	454	DS92	EXTERIOR MARKER LIGHT	13	469	K17	ABS LAMP RELAY	12	429
CB9	CIRCUIT BREAKER	13	454	DS93	EXTERIOR MARKER LIGHT	13	469	K19	START INHIBIT RELAY	8	204
CB10	CIRCUIT BREAKER	13	461	DS94	EXTERIOR MARKER LIGHT	13	469	K20	MARKER LAMP RELAY	8	208
CB11	CIRCUIT BREAKER	13	461	DS95	EXTERIOR MARKER LIGHT	13	469	K21	REAR LEFT LIGHT RELAY	8	208
CB12	CIRCUIT BREAKER (NOT USED)			DS96	ARCTIC TROOP HEATER	6	118	K22	REAR RIGHT LIGHT RELAY	4	66
CB13	CIRCUIT BREAKER (NOT USED)			DS97	SWING FIRE	6	119	K24	(NOT USED)		
CB14	CIRCUIT BREAKER (NOT USED)			DS98	TAILGATE RELEASE	6	120	K25	REVERSE WARNING RELAY	4	66
CB15	CIRCUIT BREAKER (NOT USED)			DS99	DUMP BODY UP/DOWN	6	121	K26	NEUTRAL START RELAY	3	16
CB16	CIRCUIT BREAKER (NOT USED)			DS100	FUEL PREHEAT	6	122	K27	TRAILER B.O. STOP LIGHT RELAY	14	523
CB17	CIRCUIT BREAKER (NOT USED)			DS101	HEATER	8	187	K28	TRAILER MARKER LIGHT RELAY	9	280
CB18	CIRCUIT BREAKER (NOT USED)			DS102	PORTABLE WORK RIGHT HAND	10	295	K29	TRAILER B.O. MARK LIGHT RELAY	14	519
CB19	CIRCUIT BREAKER (NOT USED)			DS103	PORTABLE WORK RIGHT HAND	10	295	K30	TRAILER REAR LEFT LIGHT RELAY	8	202
CB20	CIRCUIT BREAKER	5	75	DS104	PORTABLE WORK LEFT HAND	10	297	K31	TRAILER REAR RIGHT LIGHT RELAY	8	207
CB21	CIRCUIT BREAKER	3	28	DS105	PORTABLE WORK LEFT HAND	10	298	K32	(NOT USED)		
CB22	CIRCUIT BREAKER	12	424	DS106	PORTABLE WORK RIGHT HAND	10	299	K33	(NOT USED)		
CB23	CIRCUIT BREAKER	8	188	DS107	PORTABLE WORK RIGHT HAND	10	299	K34	DIFFERENTIAL LOCK RELAY	3	30
CB30	CIRCUIT BREAKER	10	308	DS108	LAMP LEFT	6	137	K35	POWER CONTROL RELAY	13	464
CB35	CIRCUIT BREAKER (NOT USED)			DS110	(NOT USED)	6	137	K36	BLACKOUT OVERRIDE RELAY	11	464
CB36	CIRCUIT BREAKER (NOT USED)			DS111	(NOT USED)	6	138	K37	PTO RELAY	4	64
CB37	CIRCUIT BREAKER	10	705	DS112	FAST IDLE	6	112	K40	(NOT USED)		
CB38	CIRCUIT BREAKER	9	732	DS113	WARM UP/ EXHAUST BRAKE	6	112	K41	VAN LIGHT RELAY	13	464
CB39	CIRCUIT BREAKER	14	519	DS114	INLET AIR HEATER	6	129	K42	ENGINE PTO RELAY	12	429
CB40	CIRCUIT BREAKER	14	505	DS115	ABS	6	146	K53	RADIO POWER RELAY	5	75
CB41	CIRCUIT BREAKER	9	260	DS116	BATTERY DISCONNECT	6	133	L1	FAN SOLENOID	4	39
CB42	CIRCUIT BREAKER	12	425	E1	SPICE	11	358	L2	FUEL SOLENOID	4	68
CB43	CIRCUIT BREAKER	4	61	E2	SPICE	13	204	L3	PTO SOLENOID	4	60
CB44	CIRCUIT BREAKER	8	201	E4	SPICE	8	207	L4	WINCH IN SOLENOID	4	70
CB45	CIRCUIT BREAKER	3	28,364	E5	SPICE	7	174	L5	WINCH OUT SOLENOID	4	70
CB46	CIRCUIT BREAKER	11	360	E6	SPICE	20	784	L6	INTER-AXLE DIFFERENTIAL SOLENOID	3	34
CB47	CIRCUIT BREAKER	4	61	E7	SPICE	12	428	L7	TAILGATE RELEASE SOLENOID	11	376
CB48	CIRCUIT BREAKER	11	365	E8	SPICE	20	790	L8	DUMP BODY UP SOLENOID	11	376
CB50	CIRCUIT BREAKER	11	363	E9	SPICE	20	790	L9	DUMP BODY DOWN SOLENOID	11	377
CB54	CIRCUIT BREAKER	9	251	E10	SPICE	5	75	L10	INLET AIR HEATER SOLENOID	12	421
CB65	CIRCUIT BREAKER	9	249	E11	SPICE	12	403	L11	ENGINE EXHAUST BRAKE SOLENOID	12	433
CB66	CIRCUIT BREAKER	14	519	E12	SPICE	9	265	L12	ETHER STARTER SOLENOID	4	44
CB67	CIRCUIT BREAKER	9	264	E14	SPICE	14	514	L16	ARCTIC KIT RECIRCULATING SOLENOID	11	373
CB68	CIRCUIT BREAKER	4	39	E15	SPICE	10	288	L17	ARCTIC KIT SOLENOID	11	370
CB70	CIRCUIT BREAKER	8	199	E16	SPICE	10	283	LS1	HORN	18	717
CB71	CIRCUIT BREAKER	8	198	E17	SPICE	10	283	LS2	AUDIBLE ALARM	3	161
CB72	CIRCUIT BREAKER	10	295	E18	SPICE	8	195	M2	VOLTMETER	3	7
CB73	CIRCUIT BREAKER	4	64	E19	SPICE	9	249	M3	ENGINE OIL PRESSURE METER	3	5
CB74	CIRCUIT BREAKER	8	199	E20	SPICE	10	291	M4	AIR PRESSURE FRONT METER	3	4
CB76	CIRCUIT BREAKER	8	192	E21	SPICE	10	291	M5	AIR PRESSURE REAR METER	3	3
CB77	CIRCUIT BREAKER	3,7	29,179	E24	SPICE	14,8,9,10	511,195,202, 219,249,288	M6	WATER TEMPERATURE METER	3	3
CB78	CIRCUIT BREAKER (AUTO RESET)	9	238	E22	SPICE	9	259	M7	FUEL LEVEL METER	3	1
CB79	CIRCUIT BREAKER	4	64	E23	SPICE	9	257	M8	SPEEDOMETER	3	6
CB80	CIRCUIT BREAKER	9	264	E24	SPICE	9	258	M9	(NOT USED)		
CB82	CIRCUIT BREAKER	7	127	E25	SPICE	9	251	M42	CHEMICAL ALARM (GFE)	10	304
CB83	CIRCUIT BREAKER	7	125	E26	SPICE	14	514	M43	CHEMICAL DETECTOR (GFE)	10	304
CB85	CIRCUIT BREAKER	9	239	E27	SPICE	10	288	MJ3	ENGINE OIL PRESSURE SENSOR	3	5
DS1	FUEL GAUGE ILLUMINATION	6	112	E28	SPICE	14,8,9,10	511,195,202, 219,249,288	MT4	AIR PRESSURE FRONT SENSOR	3	4
DS2	WATER GAUGE ILLUMINATION	6	114	E29	SPICE	14	513	MT5	AIR PRESSURE REAR SENSOR	3	3
DS3	AIR FRONT GAUGE ILLUMINATION	6	115	E30	SPICE	8	195	MT6	WATER TEMPERATURE SENSOR	3	1
DS4	AIR REAR GAUGE ILLUMINATION	6	116	E31	SPICE	9	249	MT7	FUEL LEVEL SENSOR	3	1
DS5	OIL PRESSURE GAUGE ILLUMINATION	6	117	E32	SPICE	10	290	MT9	(NOT USED)		
DS6	SPEEDOMETER ILLUMINATION	6	117	E33	SPICE	10	290	MT11	CTIS PRESSURE TRANSDUCER	14	491
DS7	VOLTMETER ILLUMINATION	6	118	E34	SPICE	10	295	MT12	ABS RIGHT FRONT WHEEL SENSOR	7	150
DS8	FAN OFF	6	120	E34	SPICE	10	295	MT13	ABS LEFT FRONT WHEEL SENSOR	7	151
DS9	DUMP UP INDICATOR	6	142	E35	SPICE	14	516	MT14	ABS LEFT REAR WHEEL SENSOR	7	154
DS10	ROTATING WARNING	6	122	E36	SPICE	14	510	MT15	ABS RIGHT REAR WHEEL SENSOR	7	156
DS11	ETHER START	6	118	E37	SPICE	14	519	MV1	ABS RIGHT FRONT MODULATOR VALVE	7	147
DS12	HAZARD WARNING	6	123	E38	SPICE	8	204	MV2	ABS LEFT FRONT MODULATOR VALVE	7	148
DS13	IGNITION	6	124	E39	SPICE	8	193	MV3	ABS RIGHT REAR MODULATOR VALVE	7	158
DS14	LEFT TURN	6	146	E40	SPICE	8	197	MV4	ABS LEFT REAR MODULATOR VALVE	7	159
DS15	RIGHT TURN	6	145	E41	SPICE	10	288	PDP	POWER DISTRIBUTION PANEL	3	14
DS16	HIGH BEAM	6	148	E42	SPICE	10	291	PP	200 AMP LOAD BATT. CTRL. DEVICE	18	734
DS17	HEATER SWITCH ILLUMINATION	8	186	E43	SPICE	14	511	PP2	200 AMP POLARITY PROTECTION	3	35
DS18	CTIS ON/OFF ILLUMINATION	6	112	E44	SPICE	10	285	R1	AIR DRYER	3	35
DS19	ENGINE FAN OFF	6	127	E45	SPICE	8	207	R2	(NOT USED)		
DS20	VAN DOOR	6	138	E46	SPICE	8	195	R3	FUEL PREHEAT ELEMENT (OPT)	11	383
DS21	CHECK ENGINE	6	131	E47	SPICE	9	249	R4	(NOT USED)		
DS22	PARKING BRAKE	6	134	E48	SPICE	10	291	R5	(NOT USED)		
DS23	PTO ON	6	132	E49	SPICE	10	288	R6	(NOT USED)		
DS24	LOW OIL PRESSURE	6	127	E50	SPICE	10	288	R12	TERMINATING RESISTOR	7	163
DS25	WATER TEMPERATURE	6	131	E51	SPICE	10	283	S3	STEERING COLUMN SWITCH	8,9,18	216,240,705
DS26	EXHAUST BRAKE	6	144	E52	SPICE	10	285	S4	MAIN LIGHT SWITCH	8,9	194,240
DS27	CHARGING SYSTEM	6	136	E53	SPICE	10	296	S6	STARTER PUSHBUTTON	3	32
DS28	LOW AIR	6	137	E54	SPICE	10	297	S8	TRAILER STOPLIGHT SWITCH	8	190
DS29	CTIS OFF	6	135	E55	SPICE	10	296	S10	STOPLIGHT SWITCH	18	489
DS30	STOP ENGINE	6	128	E56	SPICE	14	519	S11	BLACKOUT OVERRIDE WINDOW SWITCH	13	485
DS31	WINCH ON-OFF	6	113	E57	SPICE	14	514	S12	BLACKOUT OVERRIDE WINDOW SWITCH	13	485
DS32	CHEMICAL DETECTOR	6	142	E58	SPICE	8,10,14	219,289,297,512	S13	BLACKOUT OVERRIDE WINDOW SWITCH	13	485
DS33	SIDE MARKER LIGHT	10	281	E59	SPICE	8,10	196,197,291,295	S14	BLACKOUT OVERRIDE WINDOW SWITCH	13	485
DS34	CTIS OVERSPEED	6	143	E60	SPICE	10	288	S15	BLACKOUT OVERRIDE WINDOW SWITCH	13	485
DS35	BLACKOUT STOP	8	195	E65	SPICE	9	248	S16	(NOT USED)		
DS36	BLACKOUT STOP	8	196	E66	SPICE	9	245	S17A	DOOR SWITCH	6	132
DS37	LEFT COMPOSITE LAMP	8	203	E67	SPICE	9	236	S17B	DOOR AJAR SWITCH	6	137
DS38	RIGHT COMPOSITE LAMP	8									

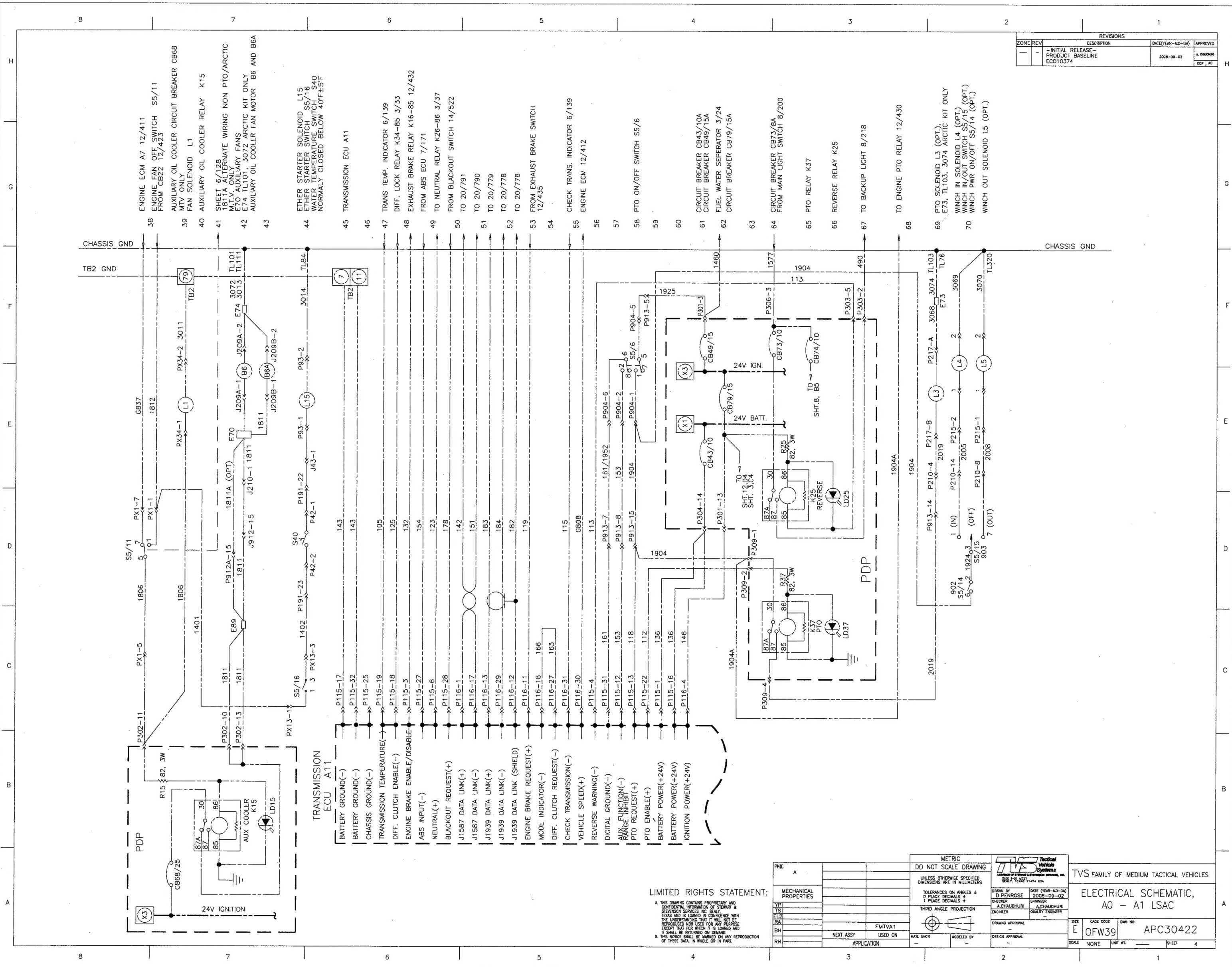




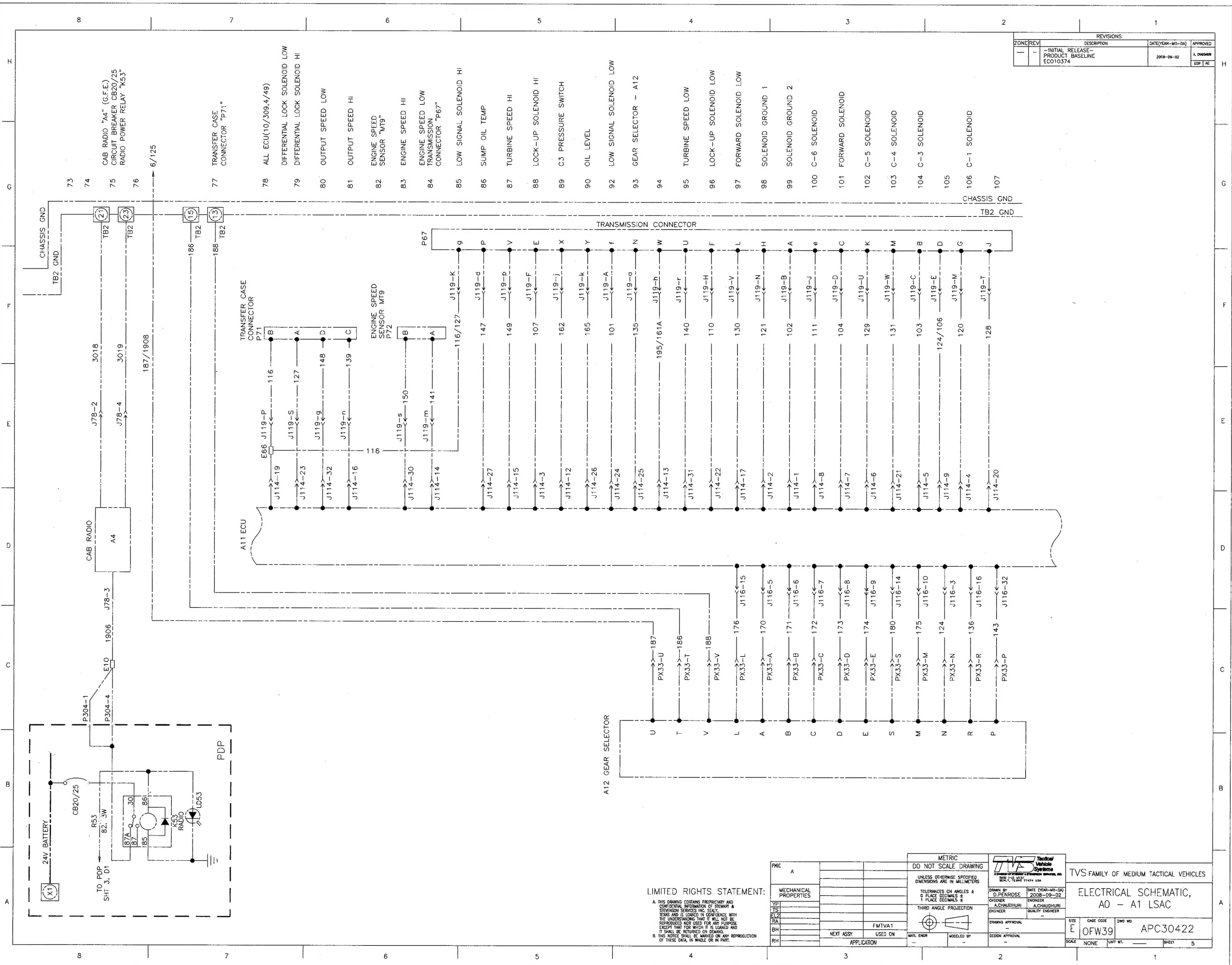
REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02
			APPROVED
			EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STANLEY & STEVENSON SERVICES INC. SEALY, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± D PLACE DECIMALS ± E PLACE DECIMALS ±		ELECTRICAL SCHEMATIC, A0 - A1 LSAC	
THIRD ANGLE PROJECTION		DRAWN BY D. PENROSE CHECKED A. CHAUDHURI ENGINEER		DATE (YEAR-MO-DA) 2008-09-02 ENGINEER A. CHAUDHURI QUALITY ENGINEER	
NEXT ASSY FMTVA1 USED ON		DRAWING APPROVAL		SIZE E CASE CODE OFW39	
APPLICATION		MAIL ENGR MODELED BY		DWG NO APC30422	
		DESIGN APPROVAL		SCALE NONE	
				UNIT WT.	
				SHEET 3	





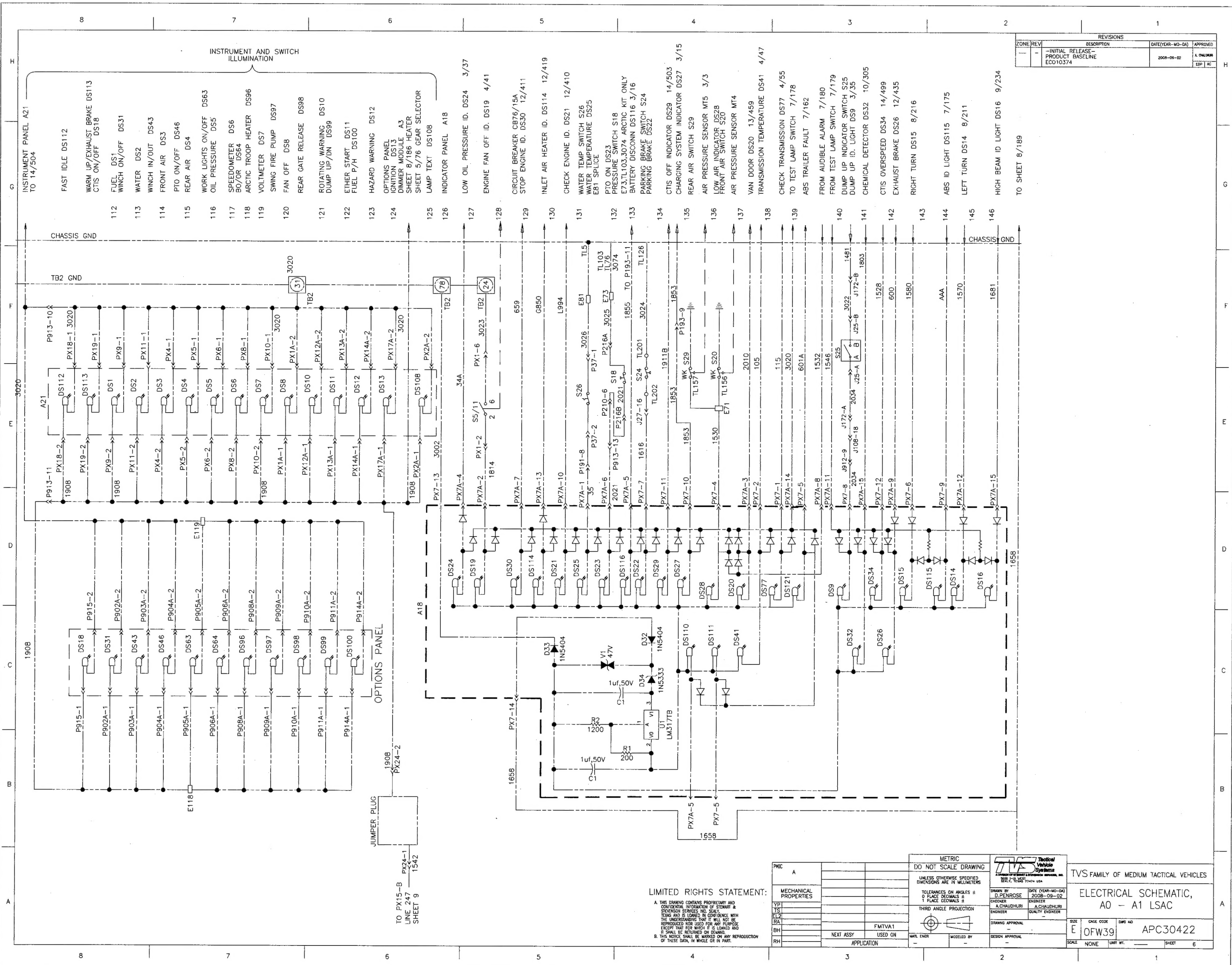


REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02

TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
ELECTRICAL SCHEMATIC, A0 - A1 LSAC			
SIZE	DATE	QTY	REV
E	08-09-02	1	1
SCALE	NONE	UNIT WT.	SHEET 5

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON SERVICES INC. (SSI) AND IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED TO SSI UPON REQUEST.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

METRIC		DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION		DRAWN BY: D. PENROSE	
		CHECKED BY: A. CHAUDHURI	
		ENGINEER: A. CHAUDHURI	
		QUALITY ENGINEER: A. CHAUDHURI	
		DATE (YEAR-MO-DA): 2008-09-02	
		DRAWING APPROVAL: [Signature]	
		DESIGN APPROVAL: [Signature]	
		MATERIAL: [Blank]	
		MODELED BY: [Blank]	
		NEXT ASSY: [Blank]	
		USED ON: [Blank]	
		APPLICATION: [Blank]	



REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-08-02
			APPROVED
			EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEMMER & STEVENSON SERVICES, INC. (SSS). IT IS TO BE USED ONLY IN CONNECTION WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF SSS. B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PNIC	A	METRIC	DO NOT SCALE DRAWING	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	TVS FAMILY OF MEDIUM TACTICAL VEHICLES
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ±	0 PLACE DECIMALS ±	1 PLACE DECIMALS ±	ELECTRICAL SCHEMATIC, A0 - A1 LSAC
YPT		THIRD ANGLE PROJECTION			SIZE E
ITS					CAGE CODE OFW39
FLA					DWG NO APC30422
RA					SCALE NONE
EH					UNIT WT.
RH					SHEET 6

DRAWN BY D. PENROSE

DATE (YEAR-MO-DA) 2008-09-02

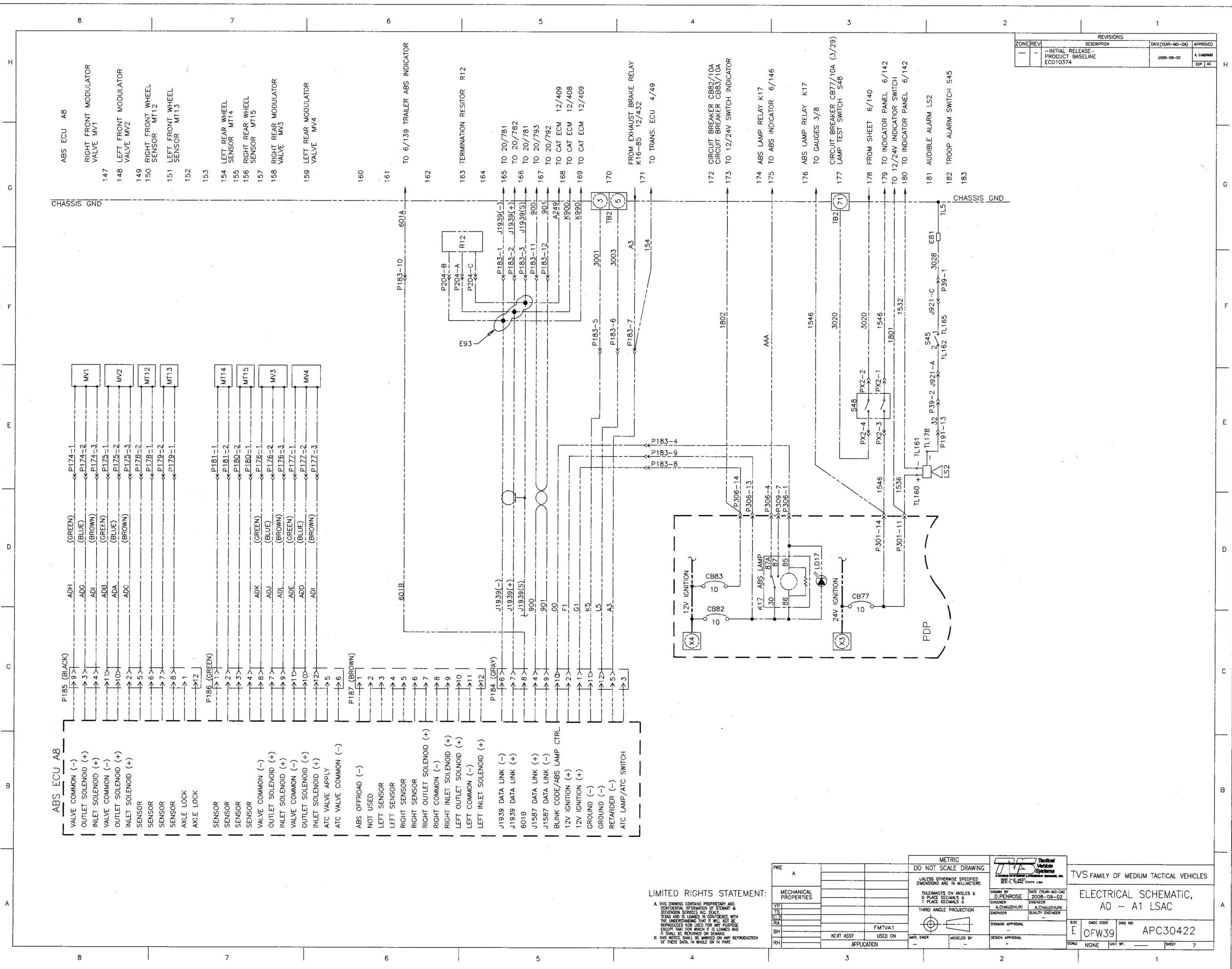
DESIGNED BY A. CHAUDHURI

ENGINEER A. CHAUDHURI

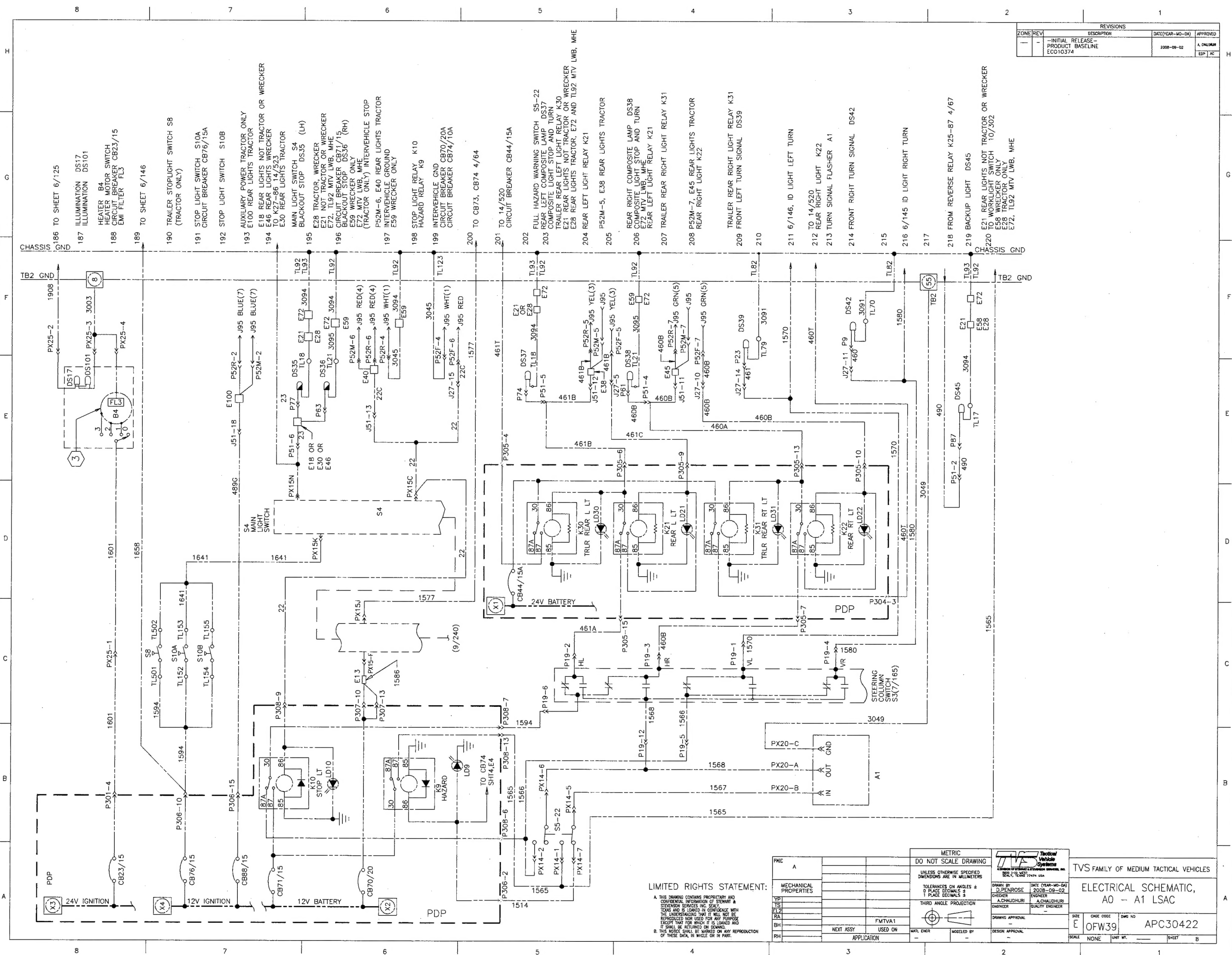
QUALITY ENGINEER

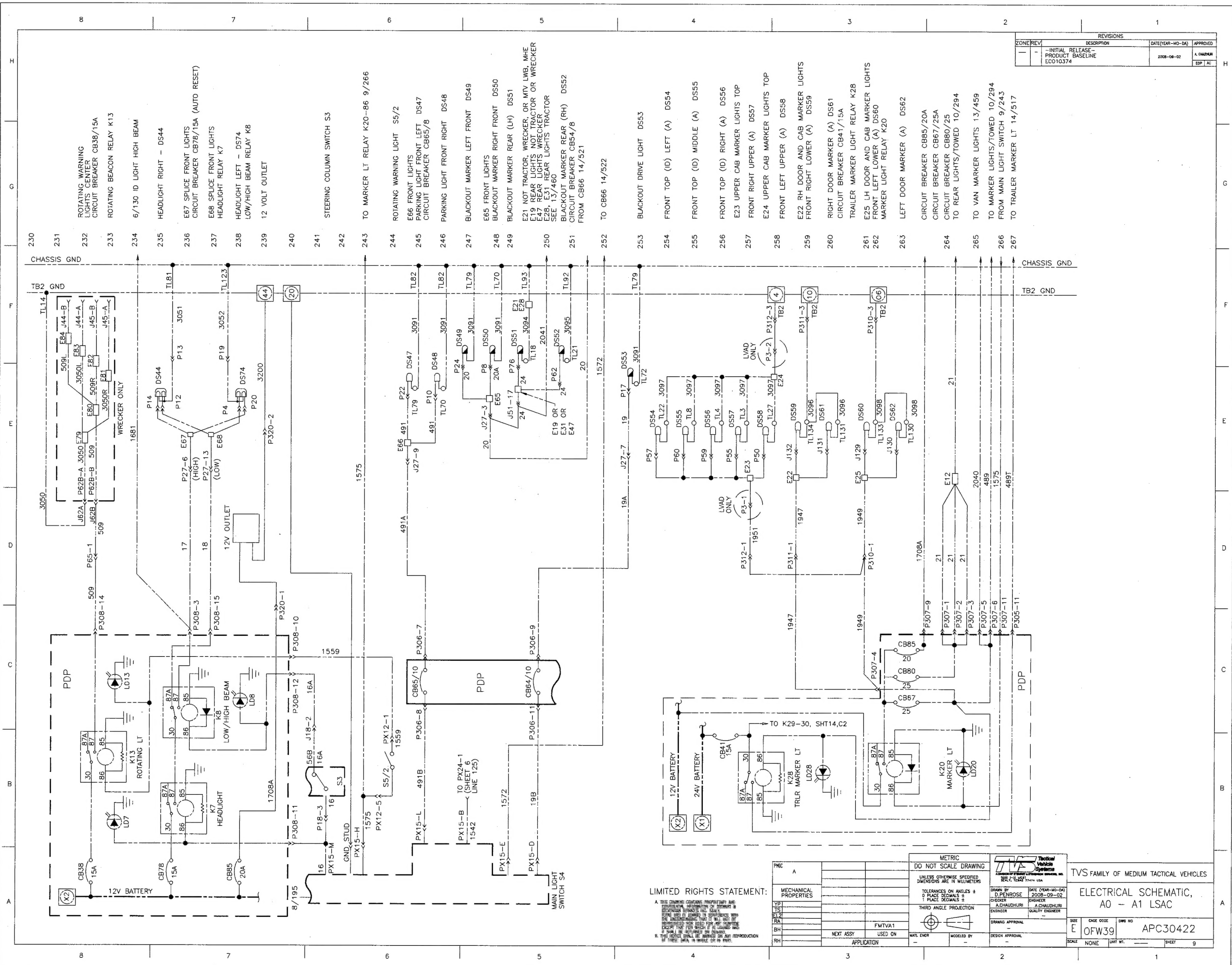
DRAWING APPROVAL

DESIGN APPROVAL









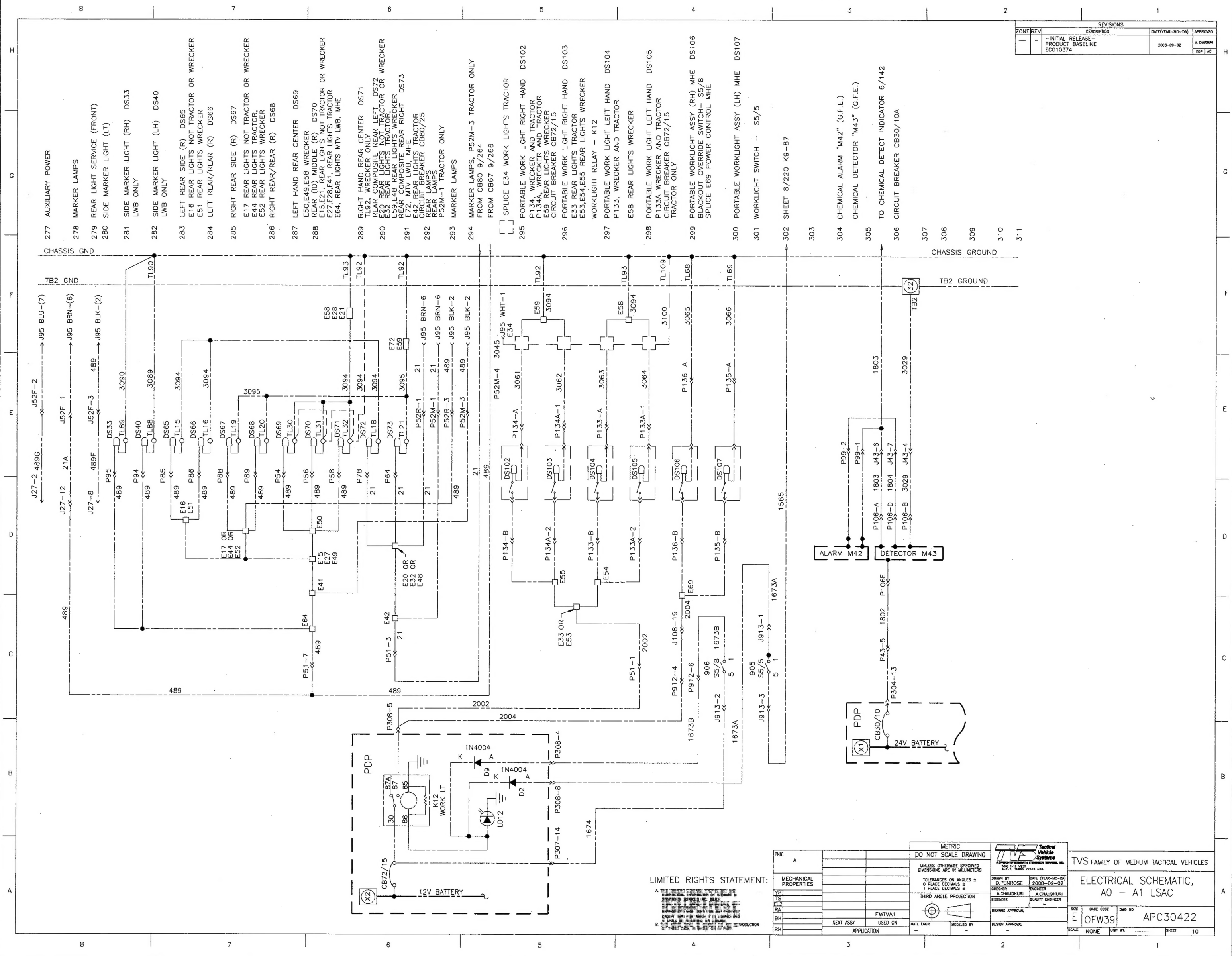
REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE	2008-08-02
1	1	ECO10374	

LIMITED RIGHTS STATEMENT:

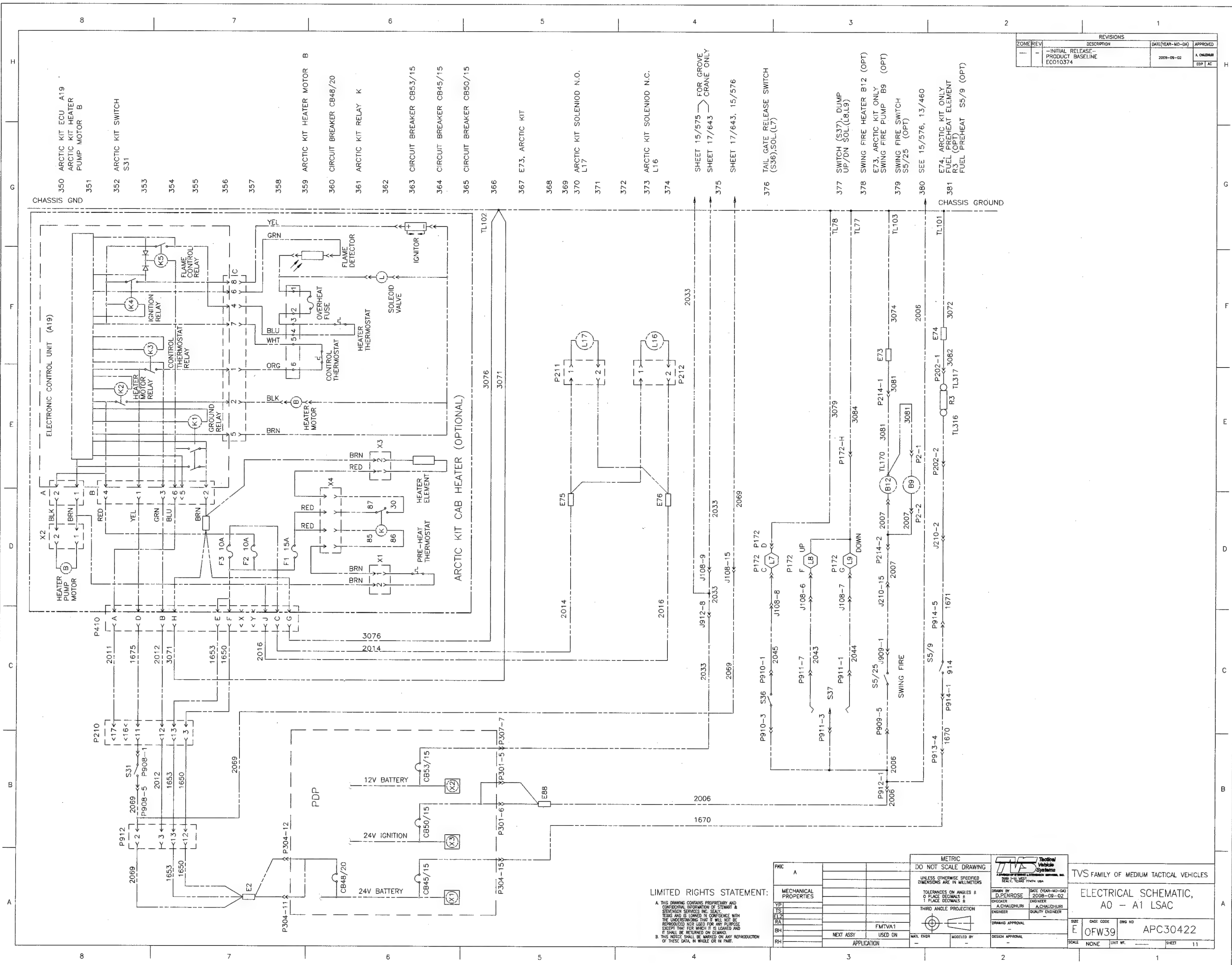
PHC	A
MECHANICAL PROPERTIES	
YD	
EL	
RA	
BH	
RH	
APPLICATION	

DO NOT SCALE DRAWING
TOLERANCES ON ANGLES ± 0 PLACE DECIMALS
THIRD ANGLE PROJECTION
MAIL ENGR
MODELED BY
DESIGN APPROVAL

TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
ELECTRICAL SCHEMATIC, A0 - A1 LSAC			
SIZE	CAGE CODE	DWG NO	
E	OFW39	APC30422	
SCALE	NONE	UNIT WT.	SHEET 9








REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
-	-	INITIAL RELEASE - PRODUCT BASELINE	2008-08-02
-	-	ECO10374	

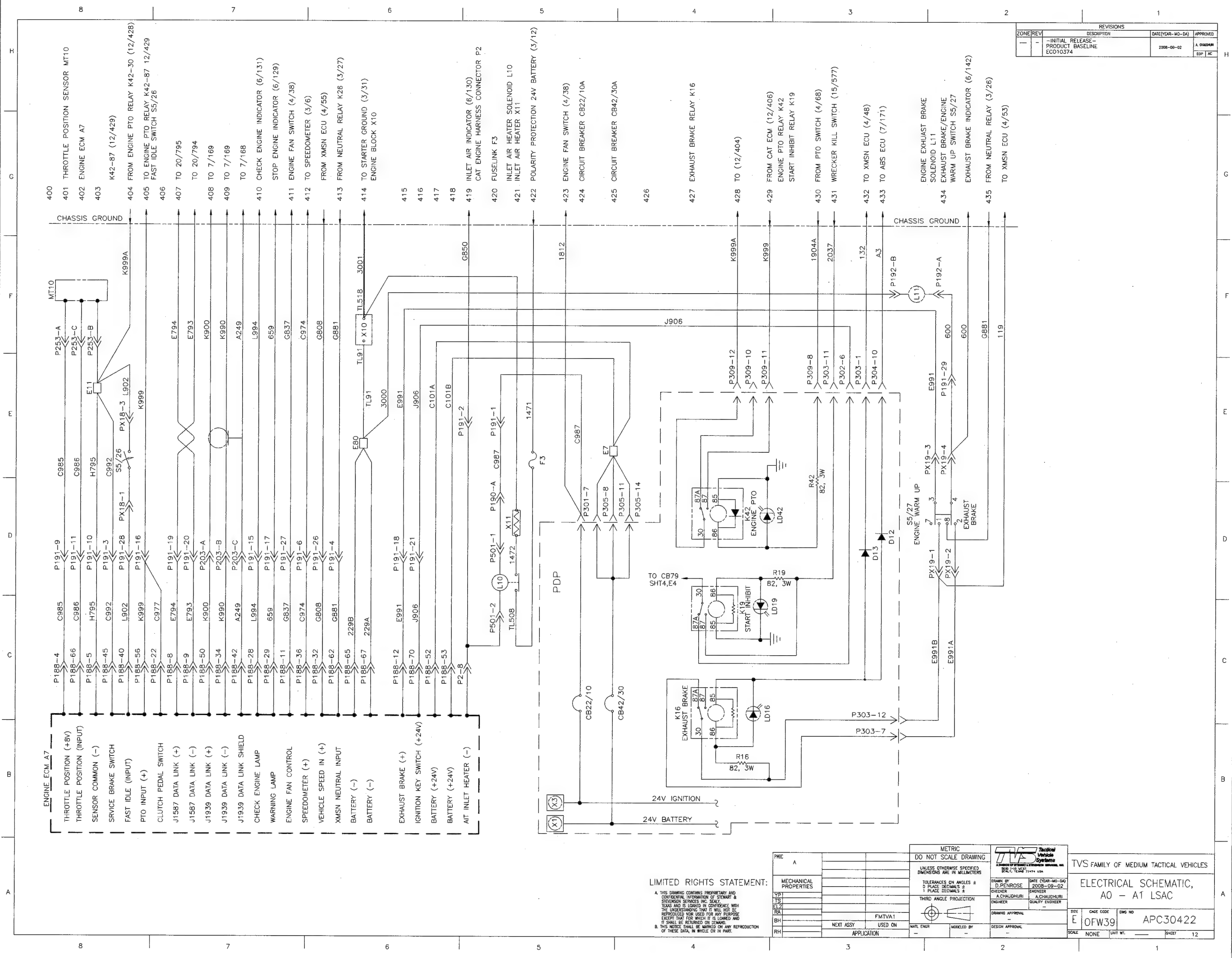
LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI).  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

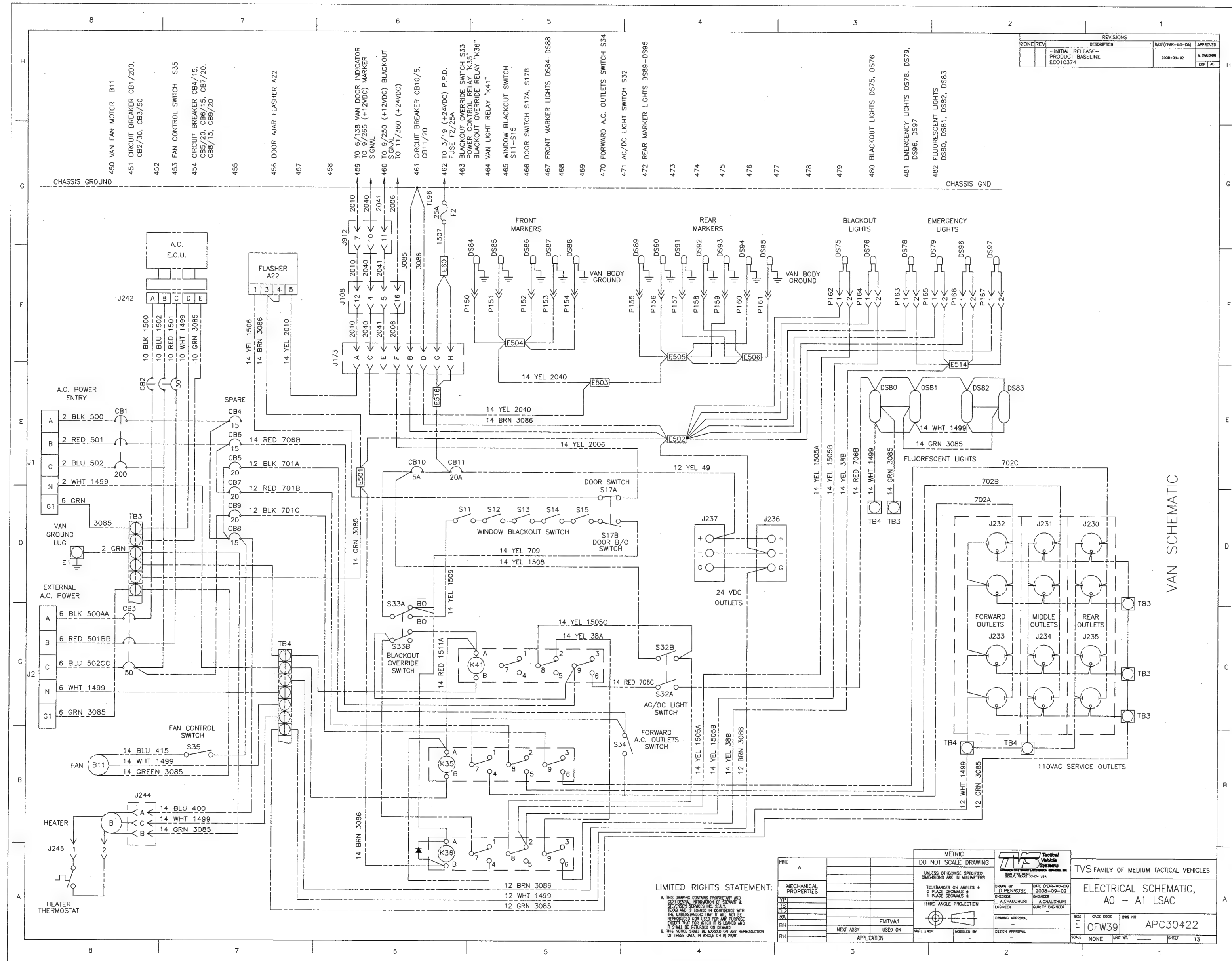
MECHANICAL PROPERTIES	APPLICABLE
YPT	
ITS	
ELP	
RA	
BH	
RH	

METRIC	
DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
	
MAIL ENGR	MODELED BY
—	—

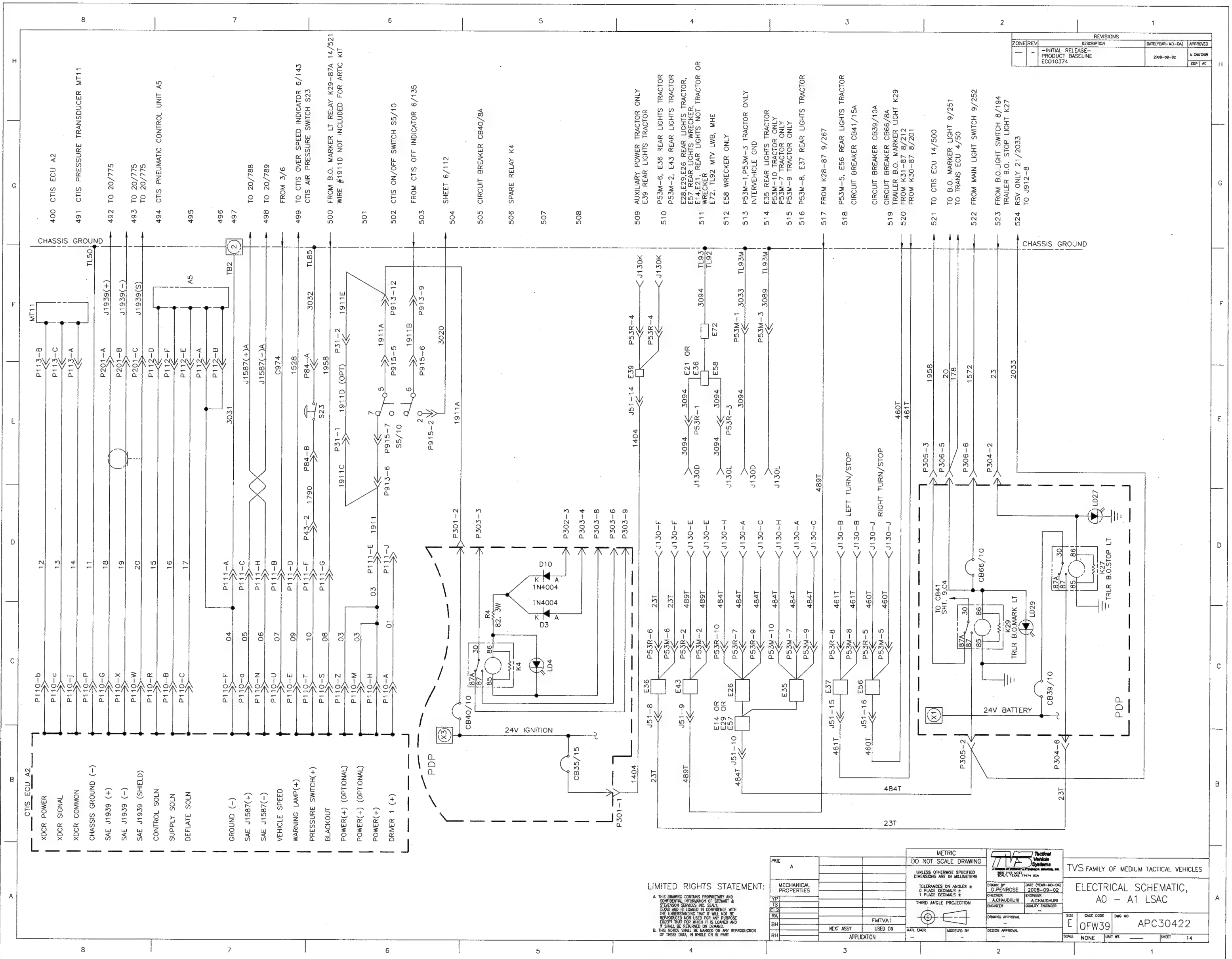
DATE (YEAR-MO-DA)	2008-08-02
DRAWN BY	D. PENROSE
CHECKED BY	A. CHAUDHURI
ENGINEER	A. CHAUDHURI
QUALITY ENGINEER	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
ELECTRICAL SCHEMATIC, A0 - A1 LSAC			
SIZE	DATE	CODE	QNG NO
E	0FW39		APC30422
SCALE	NONE	UNIT WT.	SHEET 11









REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE ECU10374	2008-08-02
APPROVED			DATE
A. CHAUDHURI			2008-08-02
ECP			AC

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON SERVICES INC. SEAL. IT IS NOT TO BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF STEVENSON SERVICES INC. SEAL. EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND. B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC

A

MECHANICAL PROPERTIES

YPT

ITS

IS

RA

BH

RY

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ± 2

THIRD ANGLE PROJECTION

MAIL ENR

MODELED BY

APPLICATION

TVS Technical Vehicle Systems

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC, A0 - A1 LSAC

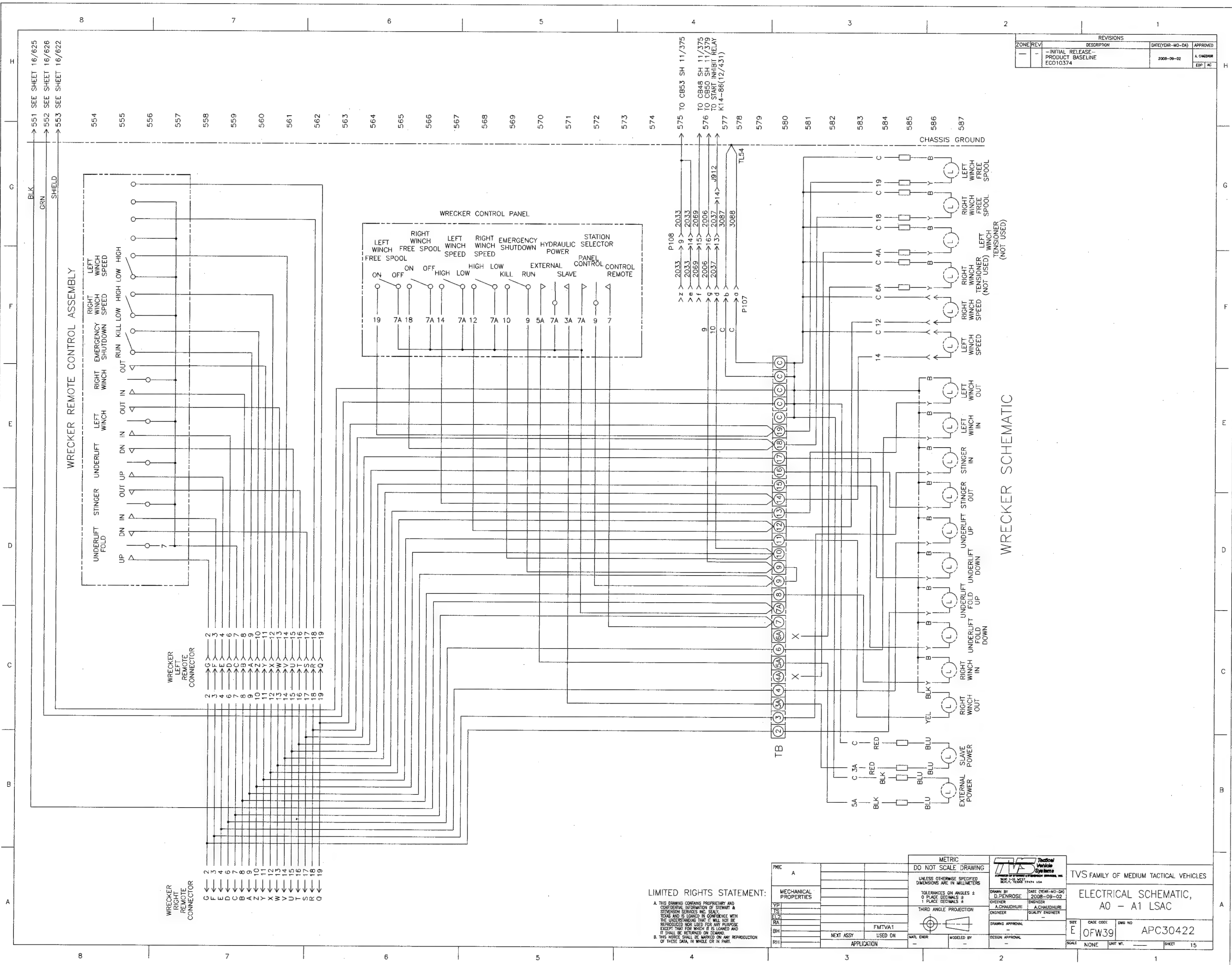
SIZE E

CAGE CODE OFW39

DWG NO APC30422

SCALE NONE

SHEET 14

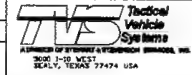


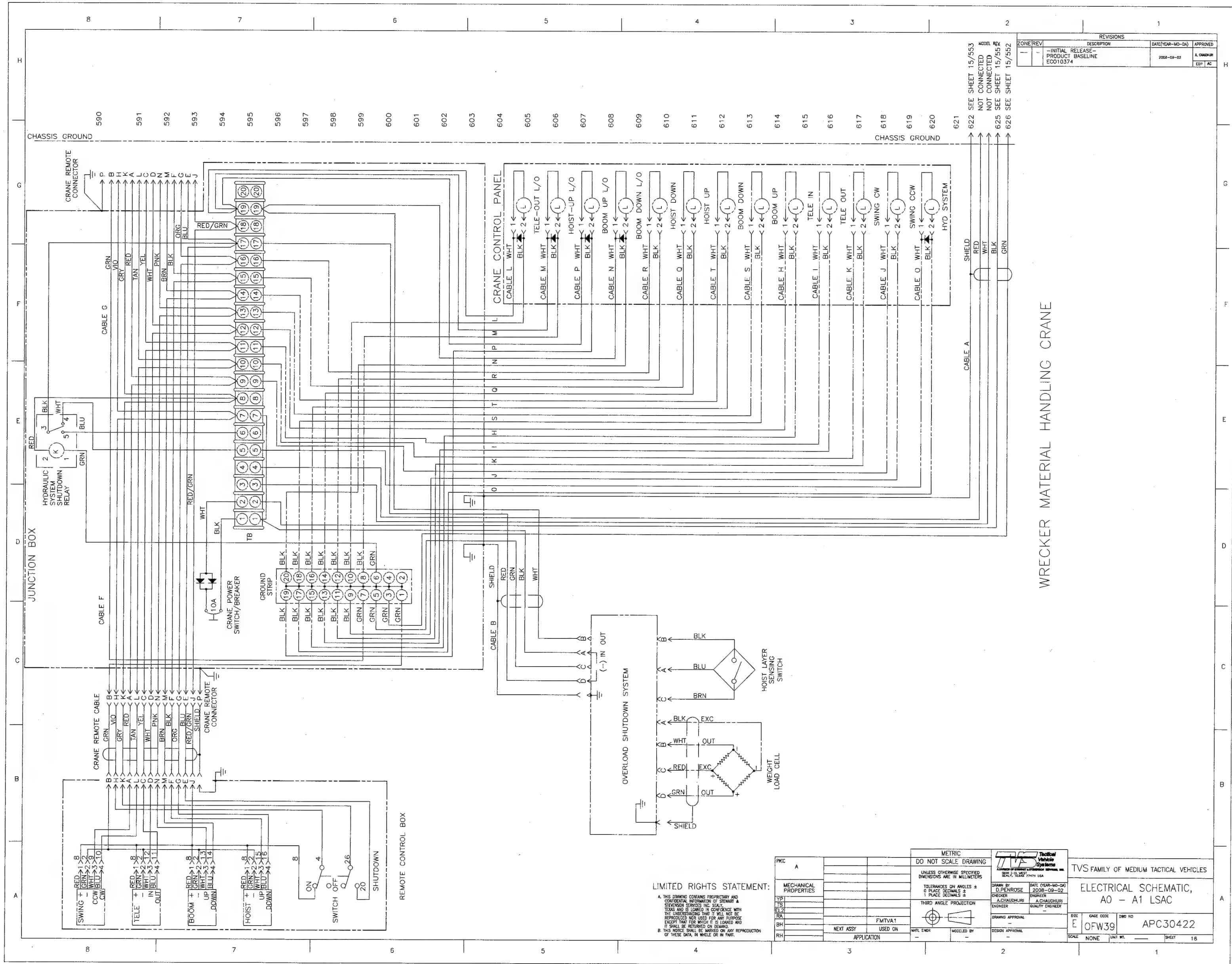
REVISIONS			
ZONE	REV	DESCRIPTION	DATE(YEAR-MO-DA)
1	1	INITIAL RELEASE-- PRODUCT BASELINE ECO10374	2008-09-02
			APPROVED
			EDP AC

WRECKER SCHEMATIC

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STENMET & STENSON SERVICES INC. SEALY, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PMIC	A	METRIC	DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			ELECTRICAL SCHEMATIC, A0 - A1 LSAC	
YFI		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS			SIZE E	
TS		THIRD ANGLE PROJECTION			CAGE CODE QFW39	
EL		FMTVA1		DWD NO APC30422		
RA		NEXT ASSY USED ON		SCALE NONE		
BH		APPLICATION		UNIT WT.		
RH				SHEET 15		

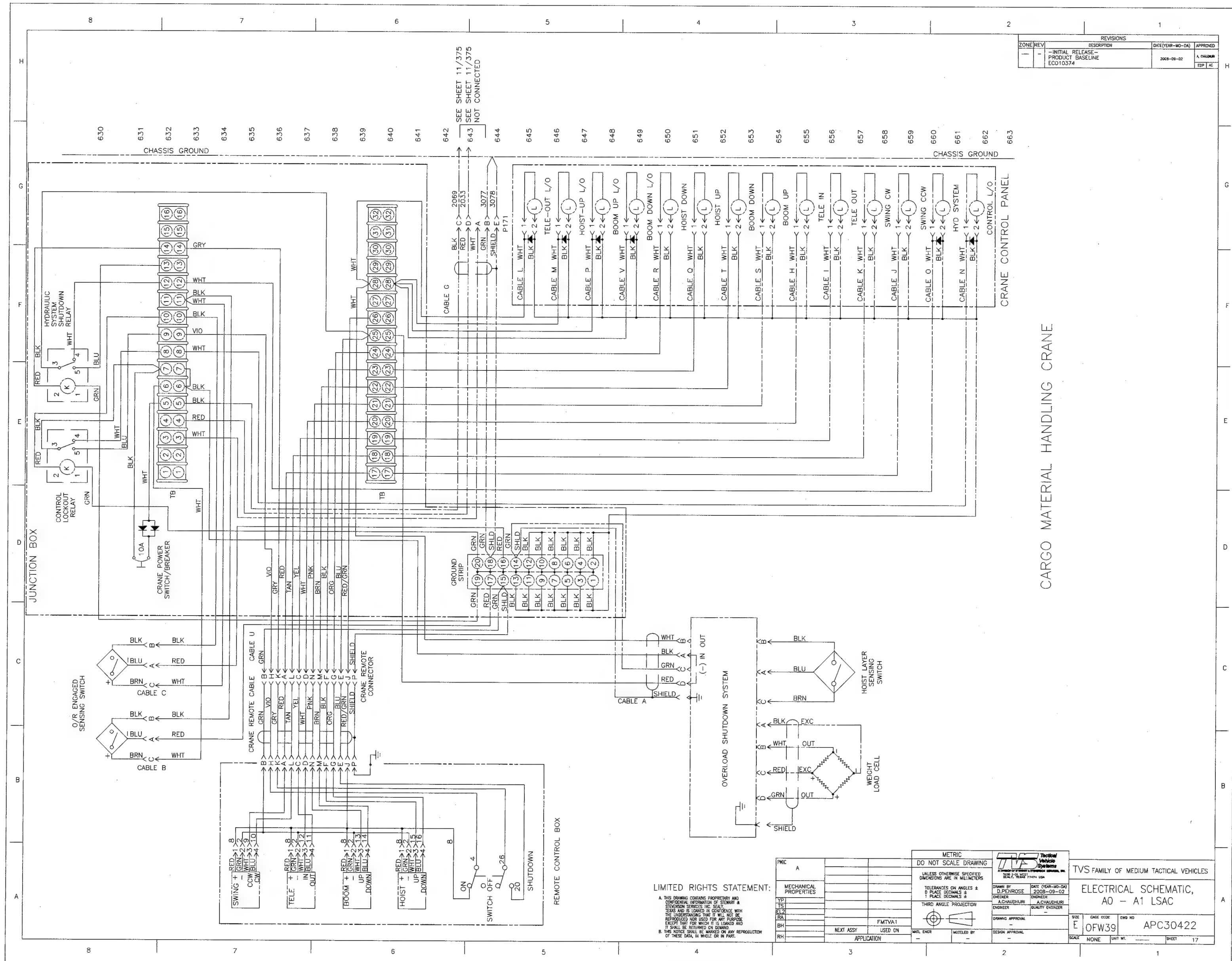


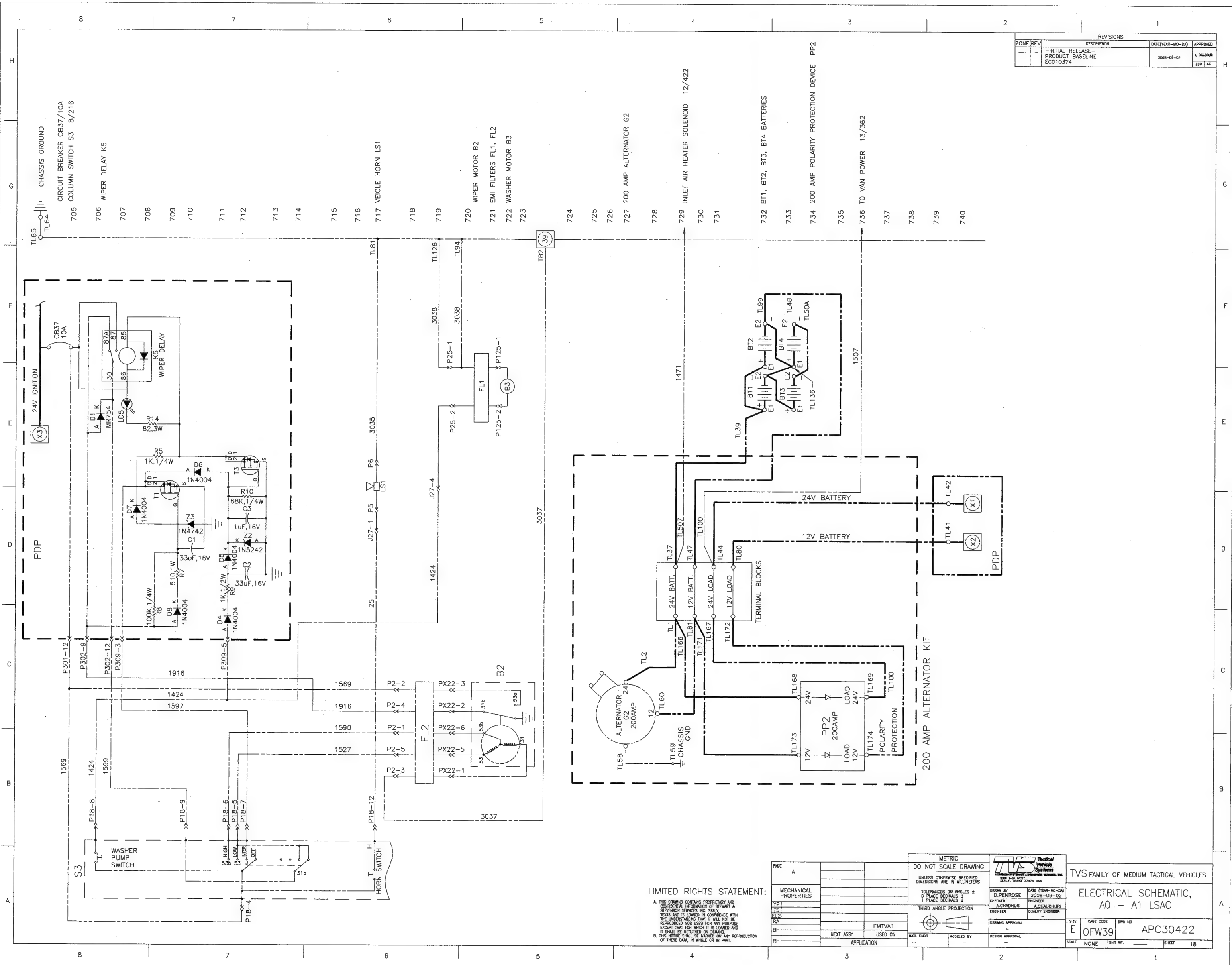
WRECKER MATERIAL HANDLING CRANE

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & HENDERSON SERVICES, INC. (SHS). IT IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT SHALL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC		METRIC		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
A		DO NOT SCALE DRAWING		ELECTRICAL SCHEMATIC, A0 - A1 LSAC	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		SIZE E CASE CODE 0FW39 DWG NO APC30422	
THIRD ANGLE PROJECTION		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2008-09-02	
NEXT ASSY FMTVA1		CHECKED A. CHAUDHURI		ENGINEER A. CHAUDHURI	
APPLICATION		DRAWING APPROVAL		QUALITY ENGINEER	
		DESIGN APPROVAL			
		SCALE NONE		SHEET 16	



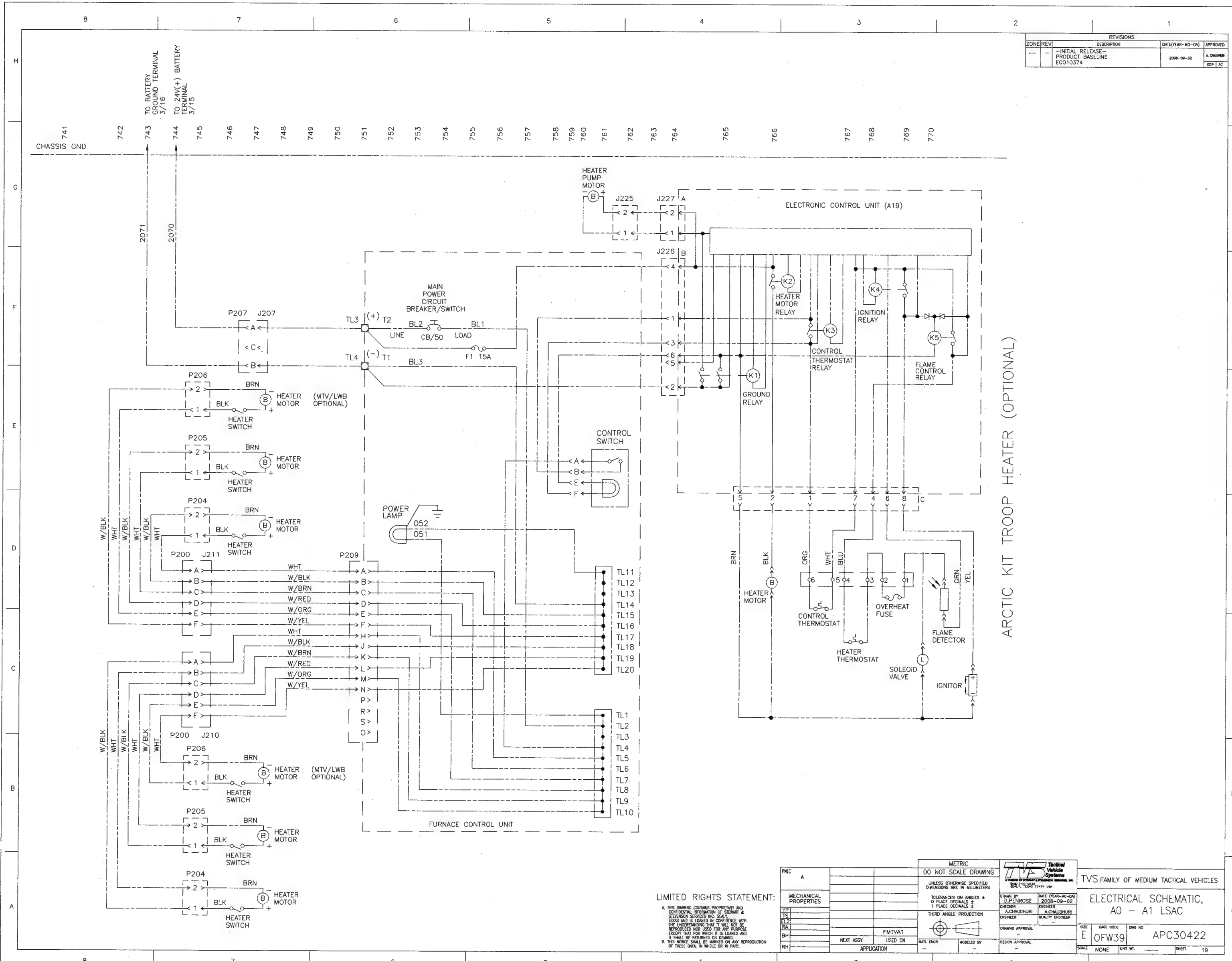




REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE	2008-09-02
1	2	ECO10374	2008-09-02

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. SEAL. THIS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC	A	METRIC	DO NOT SCALE DRAWING	TVS	Vehicle Systems	TVS FAMILY OF MEDIUM TACTICAL VEHICLES
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DESIGNED BY	D. PENROSE	DATE (YEAR-MO-DA)
TP		TOLERANCES ON ANGLES ±		ENGINEER	A. CHAUDHURI	2008-09-02
TS		0 PLACE DECIMALS ±		ENGINEER	A. CHAUDHURI	
EL		1 PLACE DECIMALS ±		QUALITY ENGINEER		
RA		THIRD ANGLE PROJECTION		DRAWING APPROVAL		
BH				DESIGN APPROVAL		
RH						
APPLICATION						
SIZE	E	CAGE CODE	0FW39	DWG NO	APC30422	
SCALE	NONE	UNIT WT.		SHEET	18	

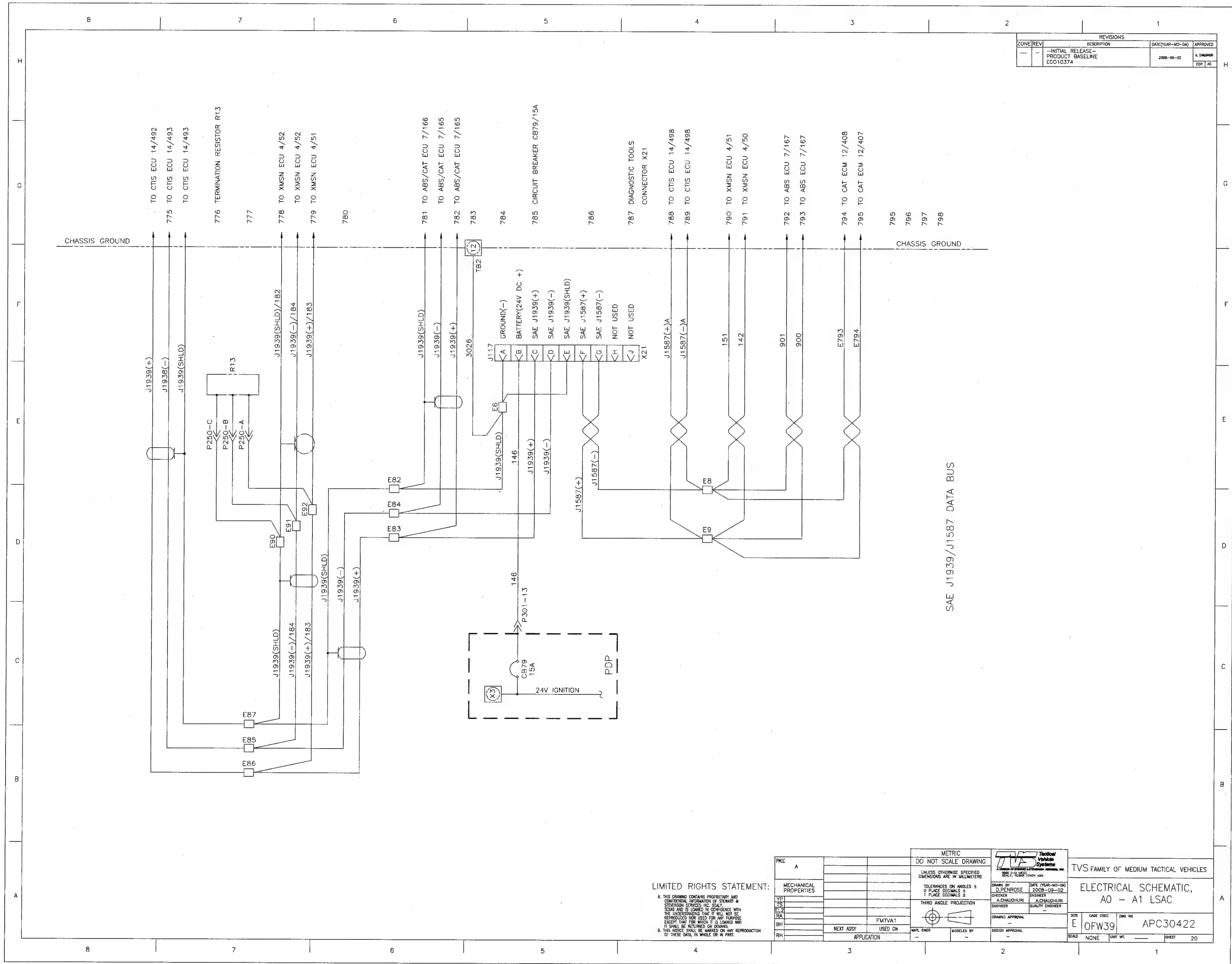


REVISIONS			
ZONE/REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
1	INITIAL RELEASE - PRODUCT BASELINE ECD10374	2008-08-02	A. CHAUDHURI
2			EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & STEVENSON SERVICES INC. (SSSI) AND IS LOANED TO THE USER IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

P/N: A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A0 - A1 LSAC	
TP		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY: D. PENROSE DATE: 2008-08-02	
TS		THIRD ANGLE PROJECTION		CHECKER: A. CHAUDHURI ENGINEER	
ELP		FMTVA1		ENGINEER: A. CHAUDHURI QUALITY ENGINEER	
RA		NEXT ASSY USED ON		DRAWING APPROVAL	
BH		MAIL ENGR		DESIGN APPROVAL	
RH		APPLICATION		MODELED BY	
SIZE: E		CAGE CODE: OFW39		DWG NO: APC30422	
SCALE: NONE		UNIT WT:		SHEET: 19	





REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
---	---	INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-09-02
			APPROVED
			A. CHAUDHURI
			EDP   AC

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON STRONG, INC. (SSS) AND IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND. B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

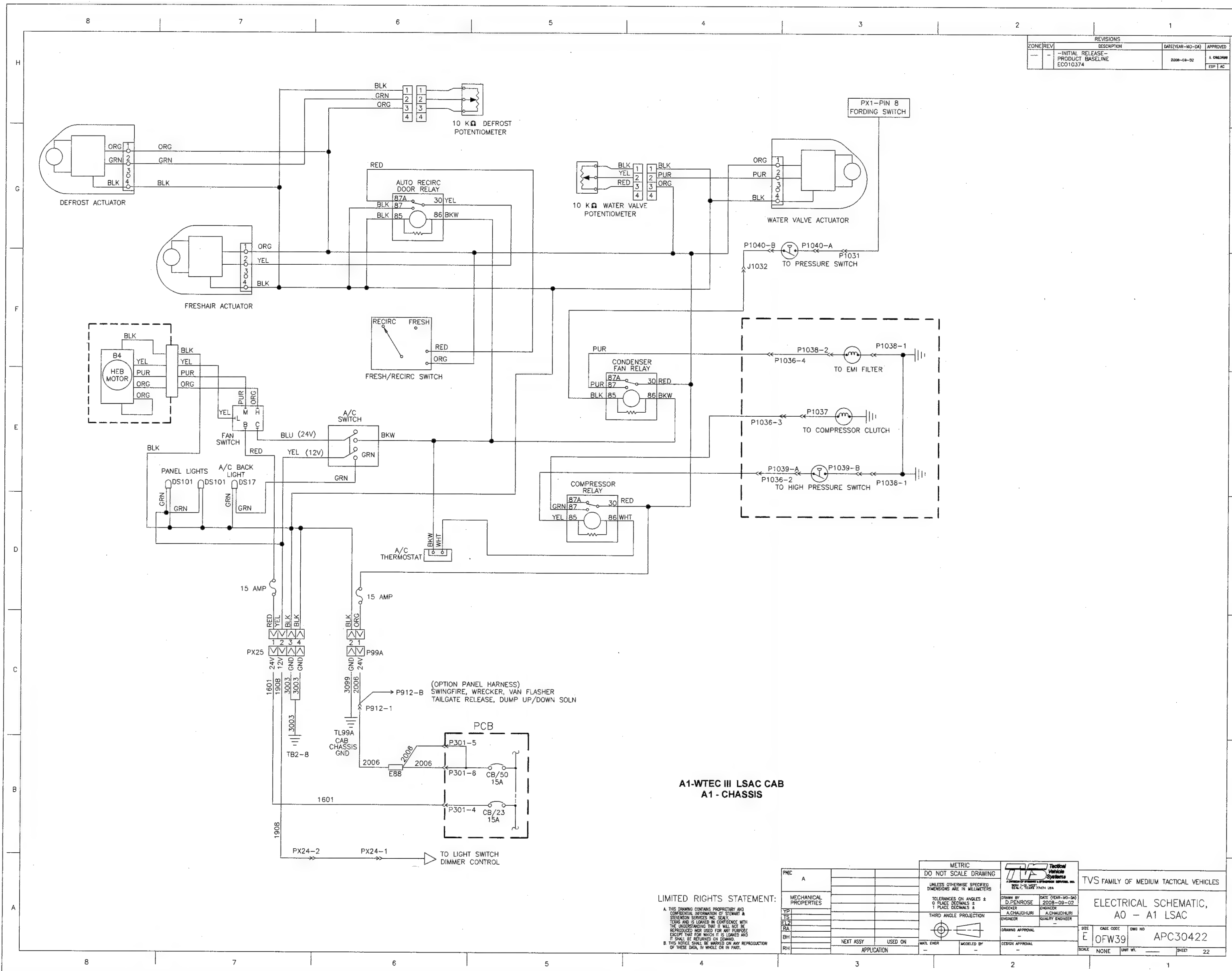
PHIC	A
MECHANICAL PROPERTIES	
YR	
TS	
ET	
HA	
BH	
RH	
APPLICATION	

METRIC	
DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES ±	
0 PLACE DECIMALS ±	
1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
FMTVA1	
NEXT ASSY USED ON	
APPLICATION	

DRAWN BY	
D. PENROSE	
CHECKED	
A. CHAUDHURI	
ENGINEER	
QUALITY ENGINEER	
DRAWING APPROVAL	
DESIGN APPROVAL	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
ELECTRICAL SCHEMATIC, A0 - A1 LSAC			
SIZE	CAGE CODE	DWG NO	
E	0FW39	APC30422	
SCALE	NONE	UNIT WT.	SHEET 20



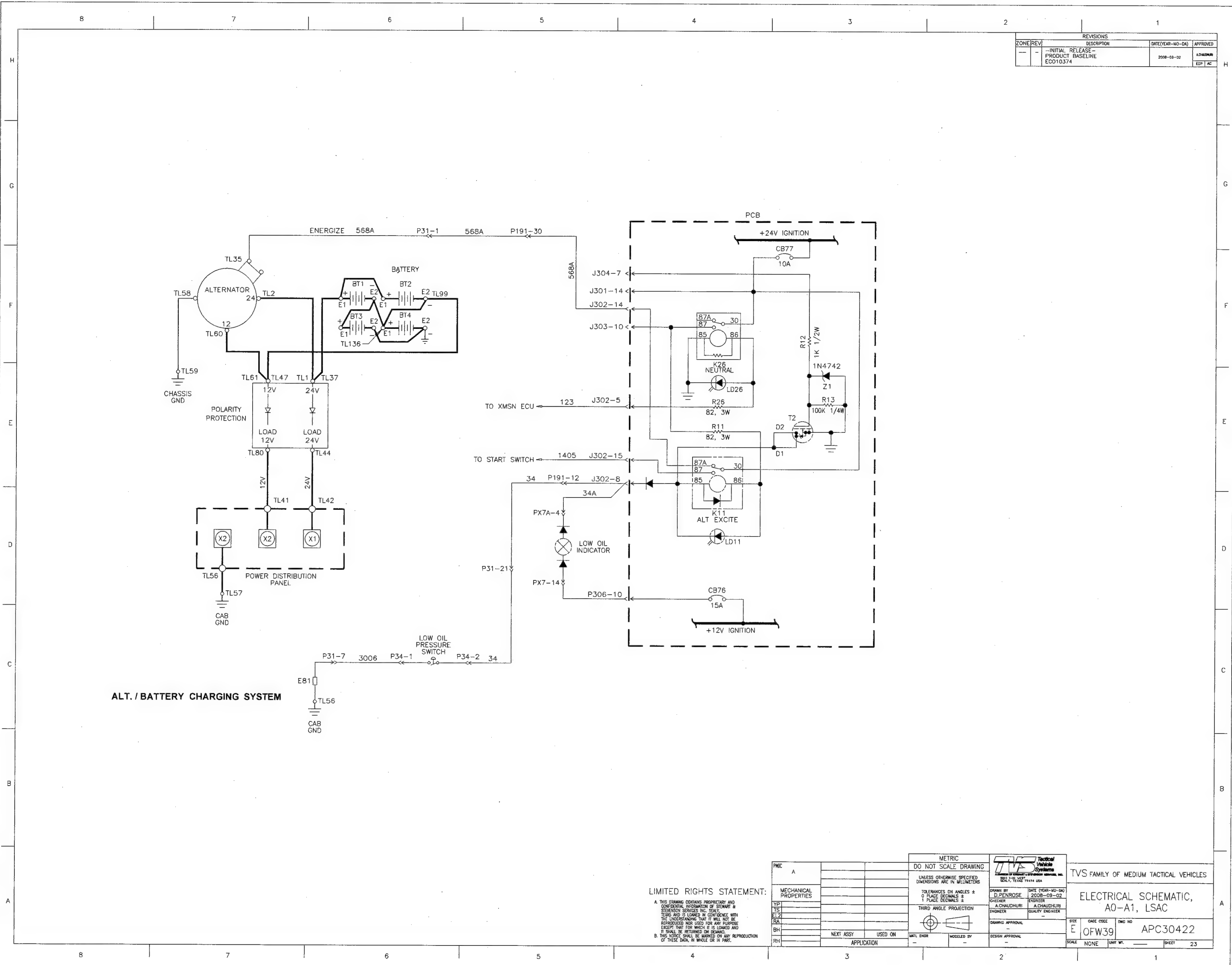


REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
	1	INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-09-02
			APPROVED ESP 1 AC

A1-WTEC III LSAC CAB  
A1 - CHASSIS

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND  
CONFIDENTIAL INFORMATION OF STEVENSON &  
STEVENSON SERVICES INC. (SSSI) AND IS  
LOANED TO YOU IN CONFIDENCE WITH THE  
UNDERSTANDING THAT IT WILL NOT BE  
REPRODUCED OR USED FOR ANY PURPOSE  
EXCEPT THAT FOR WHICH IT IS LOANED AND  
IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION  
OF THESE DATA, IN WHOLE OR IN PART.

PHIC	A	METRIC	DO NOT SCALE DRAWING	TVS	TVS FAMILY OF MEDIUM TACTICAL VEHICLES
MECHANICAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DATE (YEAR-MO-DA) 2008-09-02	ELECTRICAL SCHEMATIC, AO - A1 LSAC
TP		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY D.PENROSE	SIZE E
TS		THIRD ANGLE PROJECTION		CHECKED BY A.SCHALDHURI	CAGE CODE OFW39
RA				ENGINEER	DWG NO APC30422
BH				QUALITY ENGINEER	SCALE NONE
RH					UNIT WT. SHEET 22
NEXT ASSY		USED ON	DATE ENGR	MODELED BY	DESIGN APPROVAL
APPLICATION					



ALT./BATTERY CHARGING SYSTEM

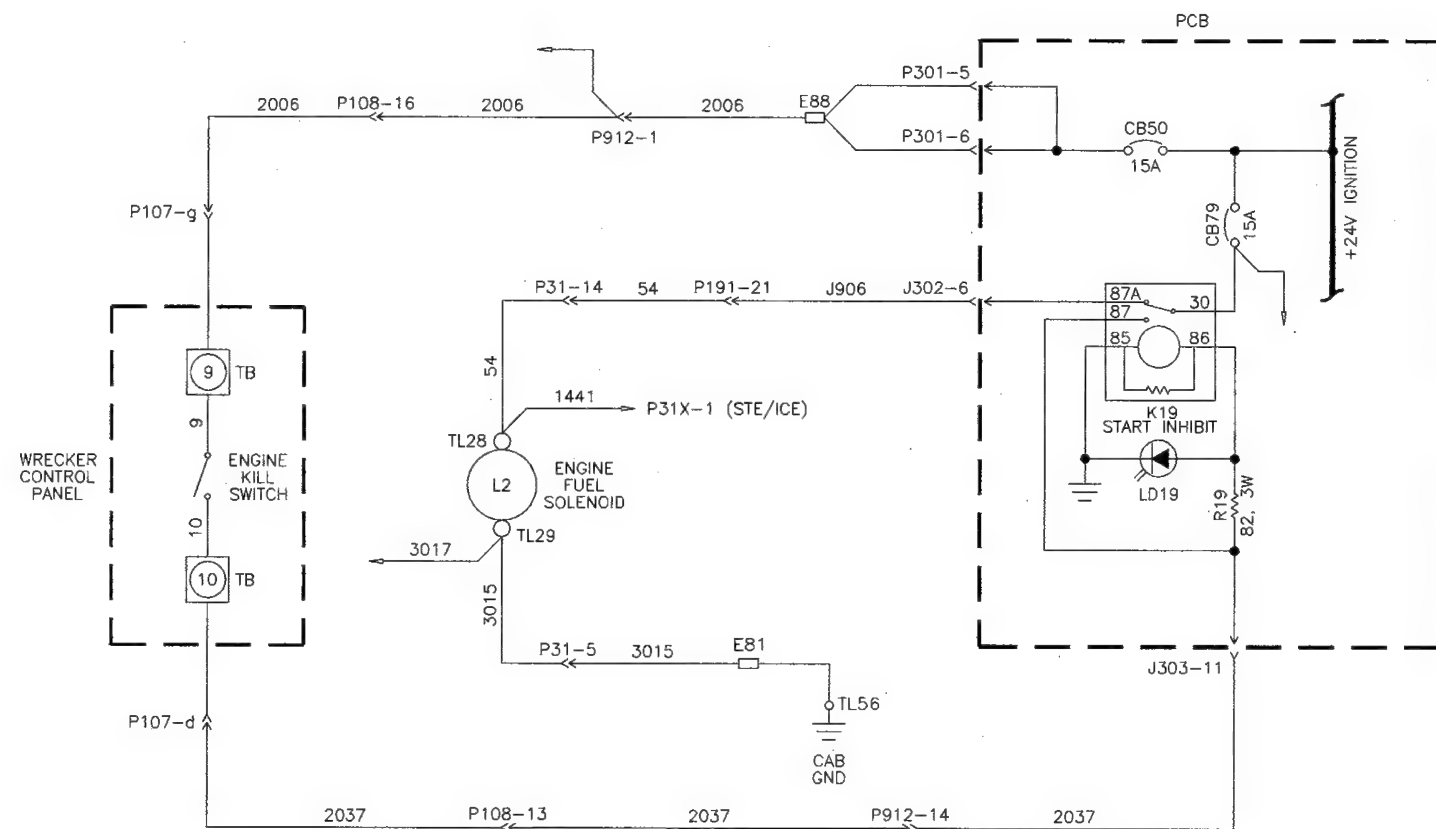
LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON SERVICES INC. (SSI). IT IS TO BE USED IN CONFERENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PMIC		A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
YP				TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		SIZE CASE CODE DWG NO	
YIS				THIRD ANGLE PROJECTION		E OFW39 APC30422	
ELZ				DRAWING APPROVAL		SCALE NONE UNIT WT. SHEET 23	
RA				DRAWN BY DATE (YEAR-MO-DA) D. PENROSE 2008-09-02			
BH				CHECKED BY A. CHAUDHURI			
RE				ENGINEER			
				QUALITY ENGINEER			
				DESIGN APPROVAL			
				APPLICATION			



REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV	DESCRIPTION	ADVISOR
—	—	— INITIAL RELEASE — PRODUCT BASELINE ECO10374	EDP 1 AC
		2008-09-02	



WRECKER REMOTE ENGINE KILL

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES, INC. (SSSI). THIS DRAWING IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSES EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC		METRIC		TVS Technical Vehicle Systems		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
A		DO NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DRAWN BY: D. FENNEROSE, DATE (YEAR-MO-DA): 2008-09-02	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES: ± 0° PLACE DECIMALS & 1 PLACE DECIMALS ±		CHECKER: ACHAUDHURI, ENGINEER: ACHAUDHURI, QUALITY ENGINEER: ACHAUDHURI		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
YP		THIRD ANGLE PROJECTION		DRAWING APPROVAL:		SIZE: E, ORG CODE: OFW39, DWS NO: APC30422	
ELZ		NEXT ASSY		DESIGN APPROVAL:		SCALE: NONE, UNIT WT: —, SHEET: 24	
RA		USED ON		APPLICATOR			
RH							

8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ZONE REV		REVISIONS		DATE (YEAR-MO-DA)	APPROVED
—	—	—	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02	A. CHAUDHURI

ENGINE COOLING FAN AUX. FANS CONTROL

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI). IT IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

P/NIC		METRIC		DO NOT SCALE DRAWING	
A					

MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ±		TOLERANCES ON DIMENSIONS ±	
YP		0 PLACE DECIMALS ±		0 PLACE DECIMALS ±	
TS		1 PLACE DECIMALS ±		1 PLACE DECIMALS ±	
RA					
BH					
RH					

NEXT ASSY		USED ON		APPLICATION	

DRAWING APPROVAL		DESIGN APPROVAL	

DRAWN BY		DATE (YEAR-MO-DA)	
D. PENROSE		2008-09-02	

CHECKED BY		DATE (YEAR-MO-DA)	
A. CHAUDHURI		2008-09-02	

ENGINEER		QUALITY ENGINEER	

SIZE		CASE CODE		DWG NO.	
E		OFW39		APC30422	

SCALE		UNIT WT.		SHEET	
NONE				25	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC, A0-A1, LSAC

8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ZONE REV		REVISIONS		DATE (YEAR-MO-DA)	APPROVED
—	—	—	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02	A. CHAUDHURI
—	—	—	—	—	EDP AC

ENGINE COOLING FAN AUX. FANS CONTROL

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI). IT IS LOANED TO YOU BY CONFERENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

P/NIC		METRIC		DO NOT SCALE DRAWING	
A					
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		THIRD ANGLE PROJECTION	
YP		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2008-09-02	
TS		CHECKER A. CHAUDHURI		ENGINEER A. CHAUDHURI	
RA		DESIGNER A. CHAUDHURI		QUALITY ENGINEER	
BH		DRAWING APPROVAL		DESIGN APPROVAL	
RH		NEXT ASSY USED ON APPLICATION		SCALE NONE UNIT WT. SHEET 25	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC, A0-A1, LSAC

OFW39 APC30422

8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ZONE REV		REVISIONS		DATE (YEAR-MO-DA)	APPROVED
—	—	—	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02	A. CHAUDHURI
—	—	—	—	—	EDP AC

ENGINE COOLING FAN AUX. FANS CONTROL

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI). IT IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.

B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

P/NIC		METRIC		DO NOT SCALE DRAWING	
A					
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		THIRD ANGLE PROJECTION	
YP		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2008-09-02	
YS		CHECKER A. CHAUDHURI		ENGINEER A. CHAUDHURI	
RA		DESIGN APPROVAL		QUALITY ENGINEER	
BH		NEXT ASSY USED ON		SCALE NONE UNIT WT. SHEET 25	
RH		APPLICATION			

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC, A0-A1, LSAC

OFW39 APC30422

8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

ZONE REV		REVISIONS		DATE (YEAR-MO-DA)	APPROVED
—	—	—	INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02	A. CHAUDHURI
—	—	—	—	—	EDP AC

ENGINE COOLING FAN AUX. FANS CONTROL

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI). IT IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

P/NIC		METRIC		DO NOT SCALE DRAWING	
A					
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		THIRD ANGLE PROJECTION	
YP		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2008-09-02	
TS		CHECKER A. CHAUDHURI		ENGINEER A. CHAUDHURI	
RA		DESIGNER A. CHAUDHURI		QUALITY ENGINEER	
BH		DRAWING APPROVAL		DESIGN APPROVAL	
RH		NEXT ASSY USED ON APPLICATION		SCALE NONE UNIT WT. SHEET 25	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC, A0-A1, LSAC

OFW39 APC30422

8 7 6 5 4 3 2 1

H  
G  
F  
E  
D  
C  
B  
A

REVISIONS			
ZONE REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
-	- INITIAL RELEASE - PRODUCT BASELINE ECO10374	2008-09-02	AACHUDHURI EDP AC

**ENGINE COOLING FAN AUX. FANS CONTROL**

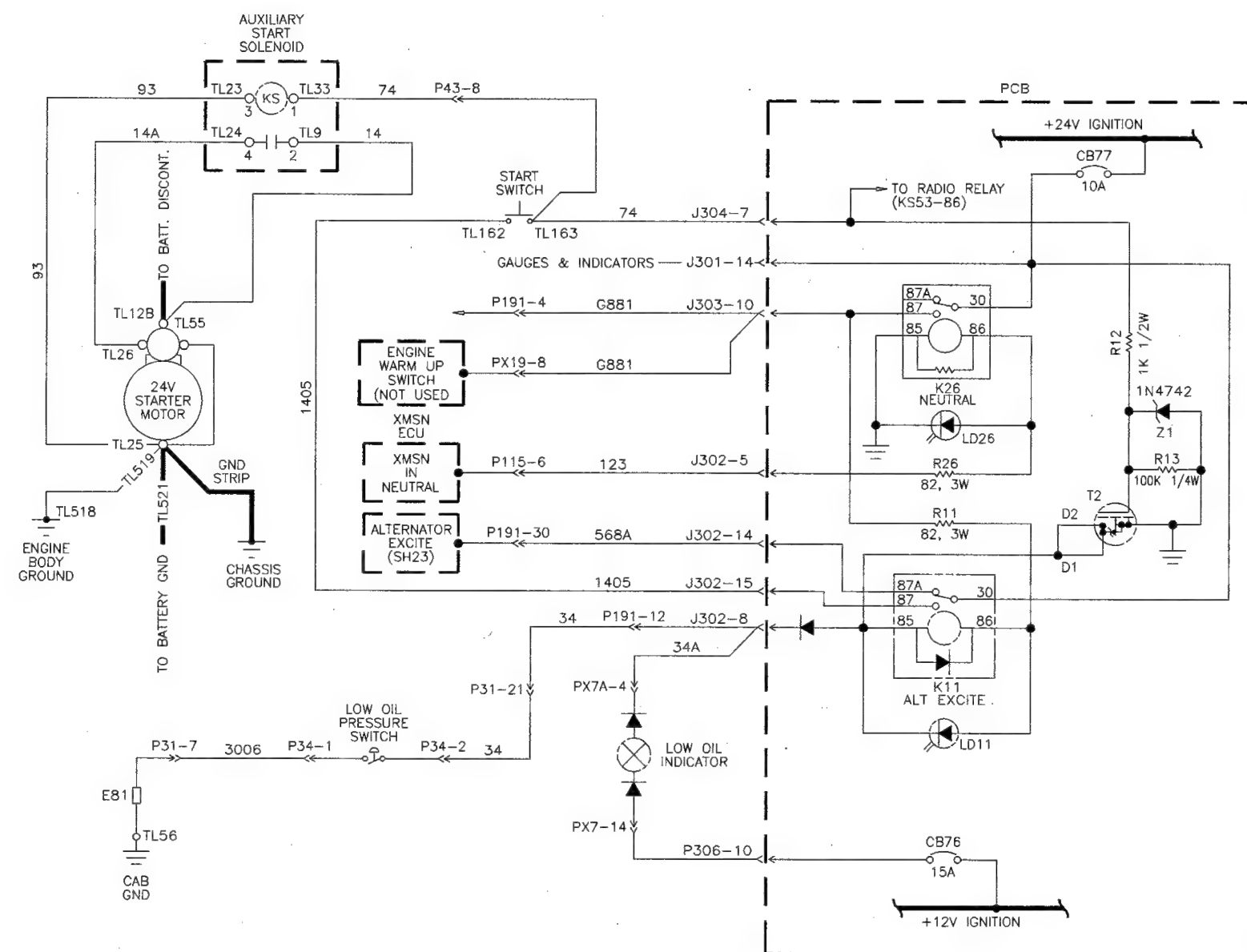
LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. (SSSI). IT IS LOANED TO YOU BY SSSI IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

METRIC	
DO NOT SCALE DRAWING	
TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
NEXT ASSY	USED ON APPLICATION

DRAWING APPROVAL	
DESIGNED BY	CHECKED BY
D.PENROSE	A.ACHAUDHURI
DATE (YEAR-MO-DA) 2008-09-02	QUALITY ENGINEER

TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
ELECTRICAL SCHEMATIC, AO-A1, LSAC	
SIZE E	CAGE CODE OFW39
SCALE NONE	UNIT WT. — SHEET 25

REVISIONS				
ZONE	REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
—	—	—INITIAL RELEASE— PRODUCT BASELINE ECO10374	2008-08-02	A. DOMINICK EDP: A





## STARTING SYSTEM

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES INC. SEALY, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.

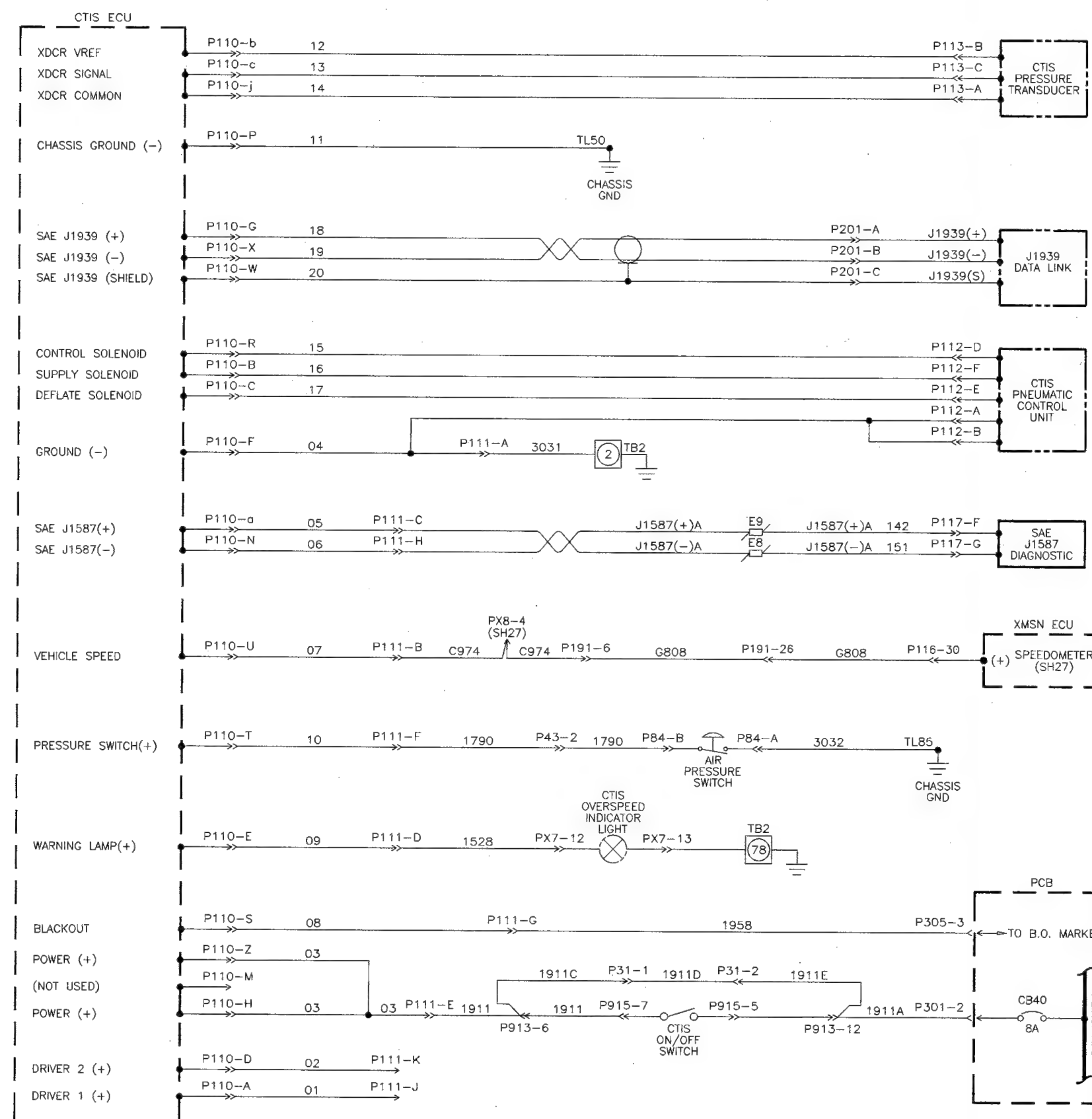
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PMIC	A	METRIC		 <b>TVS</b> Tactical Vehicle Systems 3001 E. 19th Street, Iron, MN 55130 612-435-1600 FAX 612-435-1601	TVS FAMILY OF MEDIUM TACTICAL VEHICLES
		DO NOT SCALE DRAWING	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS  TOLERANCES IN ANGLES ± 2 PLACE DECIMALS 1 PLACE DECIMALS ±		
MECHANICAL PROPERTIES		THIRD ANGLE PROJECTION		DESIGNED BY D.PENROSE CHECKED A.CHAUDHURI ENGINEER A.CHAUDHURI ENGINEER	ELECTRICAL SCHEMATIC, AO-A1, LSAC
YP TS CLT FRA BH			DRAWING APPROVAL  DESIGN APPROVAL	SIZE E CAGE CODE DWG NO	
RFI	NEXT ASSY USED ON	MATL ENGR MODELED BY	DATE (YEAR-MO-DA) 2008-09-02	ONE OF 39 UNIT WT.	APC30422
APPLICATION				SCALE	SHEET 26





ZONE REV		REVISIONS		DATE(YEAR-MO-DA)	APPROVED
---	---	-INITIAL RELEASE- PRODUCT BASELINE ECO10374		2008-09-02	ADAPTOR
					EXP AC

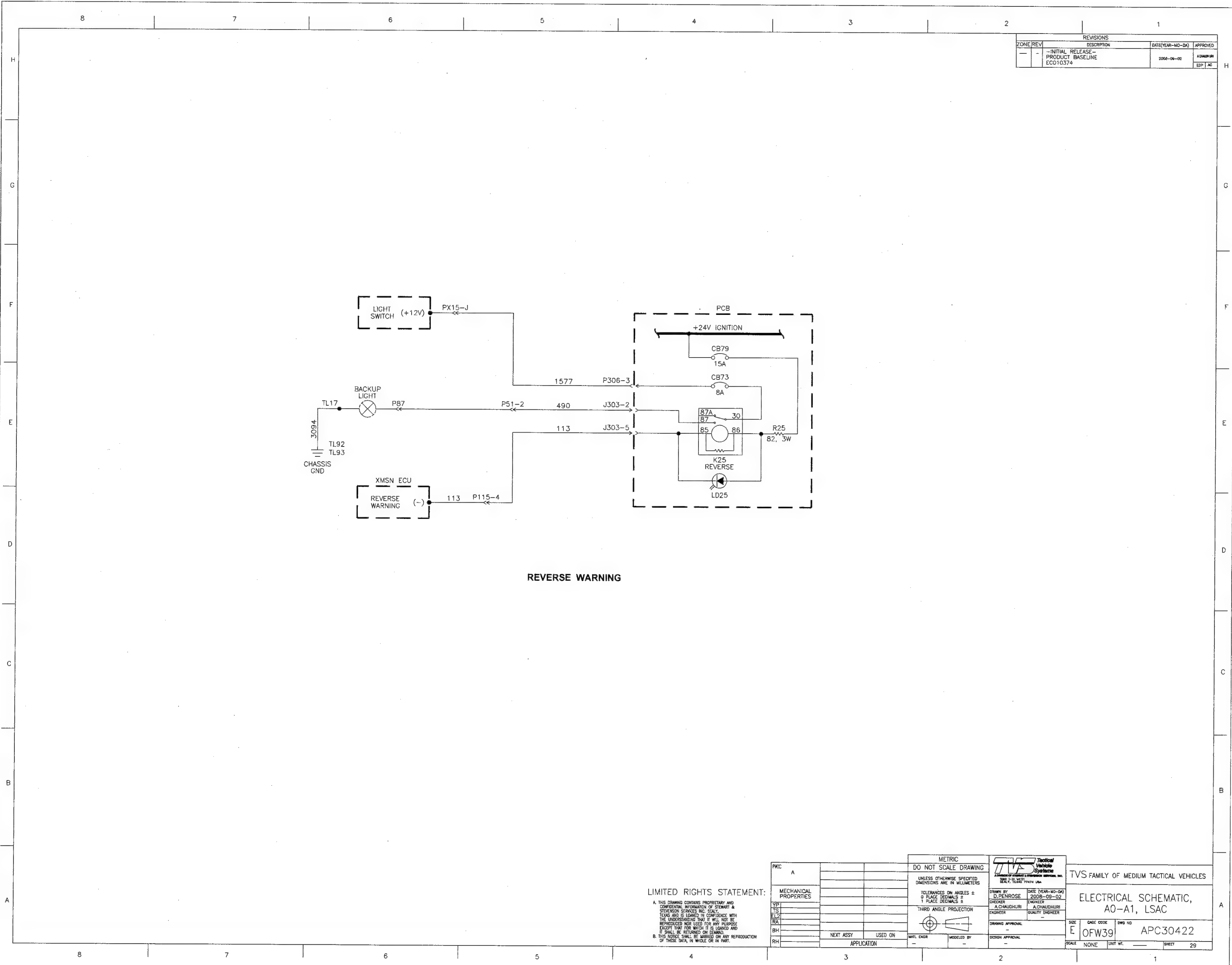


CTIS ECU INTERFACE SYSTEM

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STANLEY & STEVENSON SERVICES INC. SEAL, TRADE AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

PKIC A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
TYP TS EL-2 RA BH RH		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY D. PENROSE CHECKED A. CHAUDHURI ENGINEER A. CHAUDHURI QUALITY ENGINEER	
THIRD ANGLE PROJECTION		DATE (YEAR-MO-DA) 2008-09-02		SIZE E	
NEXT ASSY		USED ON		CAGE CODE OFW39	
APPLICATION		DATE (YEAR-MO-DA) 2008-09-02		DWG NO APC30422	
SCALE NONE		UNIT WT. ---		SHEET 28	



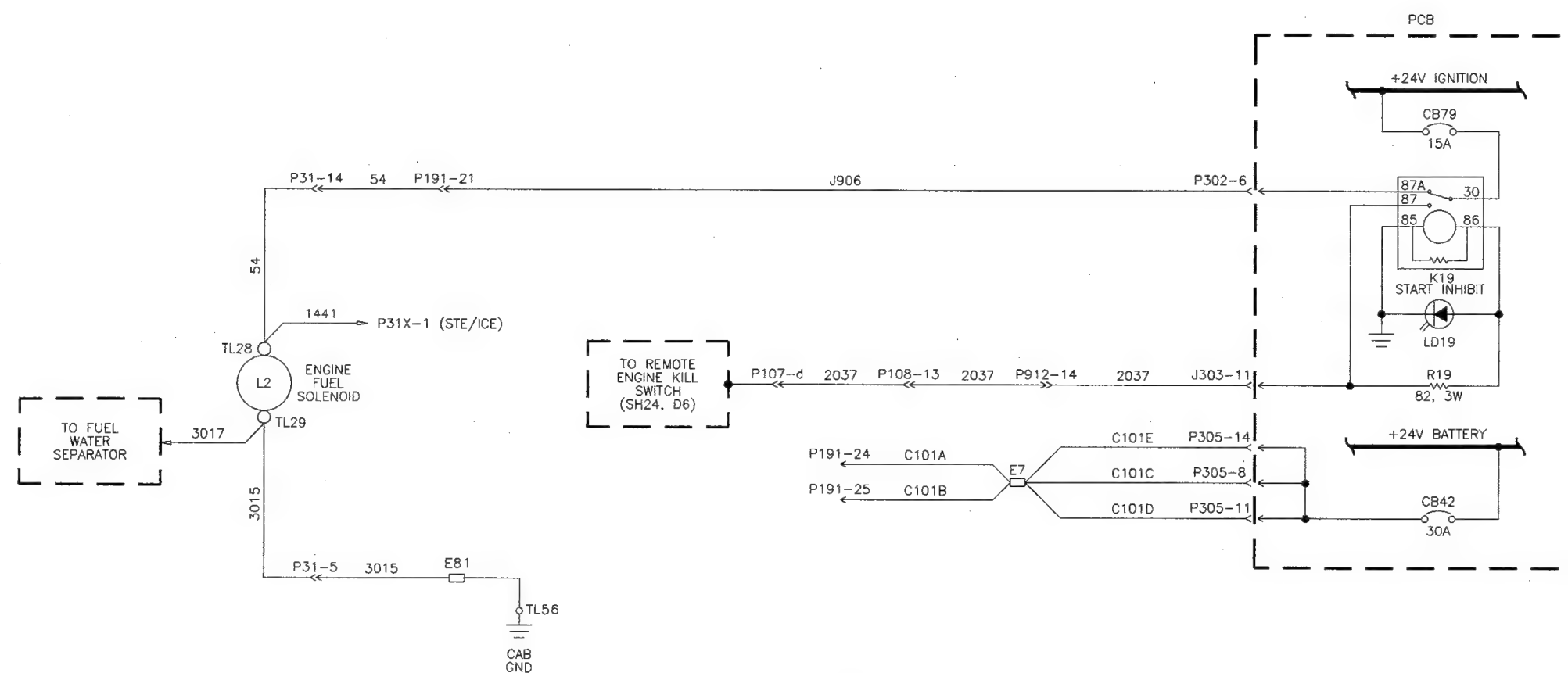
REVISIONS			
ZONE/REV	DESCRIPTION	DATE (YEAR-MO-DA)	APPROVED
-	- INITIAL RELEASE	2008-09-02	ADN/JP/AC
-	- PRODUCT BASELINE		
-	- ECO10374		

REVERSE WARNING

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES, INC. (SSSI), TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

P/NIC A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
TP		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		SIZE E	QFW39
TS		THIRD ANGLE PROJECTION		DWG NO	APC30422
EL2		DRAWING APPROVAL		SCALE	NONE
RA		NEXT ASSY USED ON		UNIT WT.	
BH		APPLICATION		SHEET	29
RH					

REVISIONS				
ZONE	REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
	-	-INITIAL RELEASE- PRODUCT BASELINE ECO10374	2006-09-02	<div> <div>AWCHUB</div> <div>EDP AC</div> </div>




## ENGINE (CAT 3116) POWER AND GROUND


LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES INC. SEALY, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.

B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART,

IT:	PMIC
	A
	MECHANICAL PROPERTIES
	YP
	TS
	EL2
	RA
	BH
RH	

METRIC	
DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES $\pm$ 0 PLACE DECIMALS $\pm$ 1 PLACE DECIMALS $\pm$	
THIRD ANGLE PROJECTION	
	
WALT ENGR	MODELED BY

G	 <b>Tactical Vehicle Systems</b> A DIVISION OF STEVENS & STEVENS, INCORPORATED 3000 J-10 WEST S.W., TEXAS 77474 USA	
	DRAWN BY	DATE (YEAR-MO-)
	D.PENROSE	2008-09-
	CHECKER	ENGINEER
	A.CHAUDHURI	A.CHAUDHURI
ENGINEER	QUALITY ENGINEER	
	DRAWING APPROVAL	
	DESIGN APPROVAL	

NO. TVS FAMILY OF MEDIUM TACTICAL VEHICLES

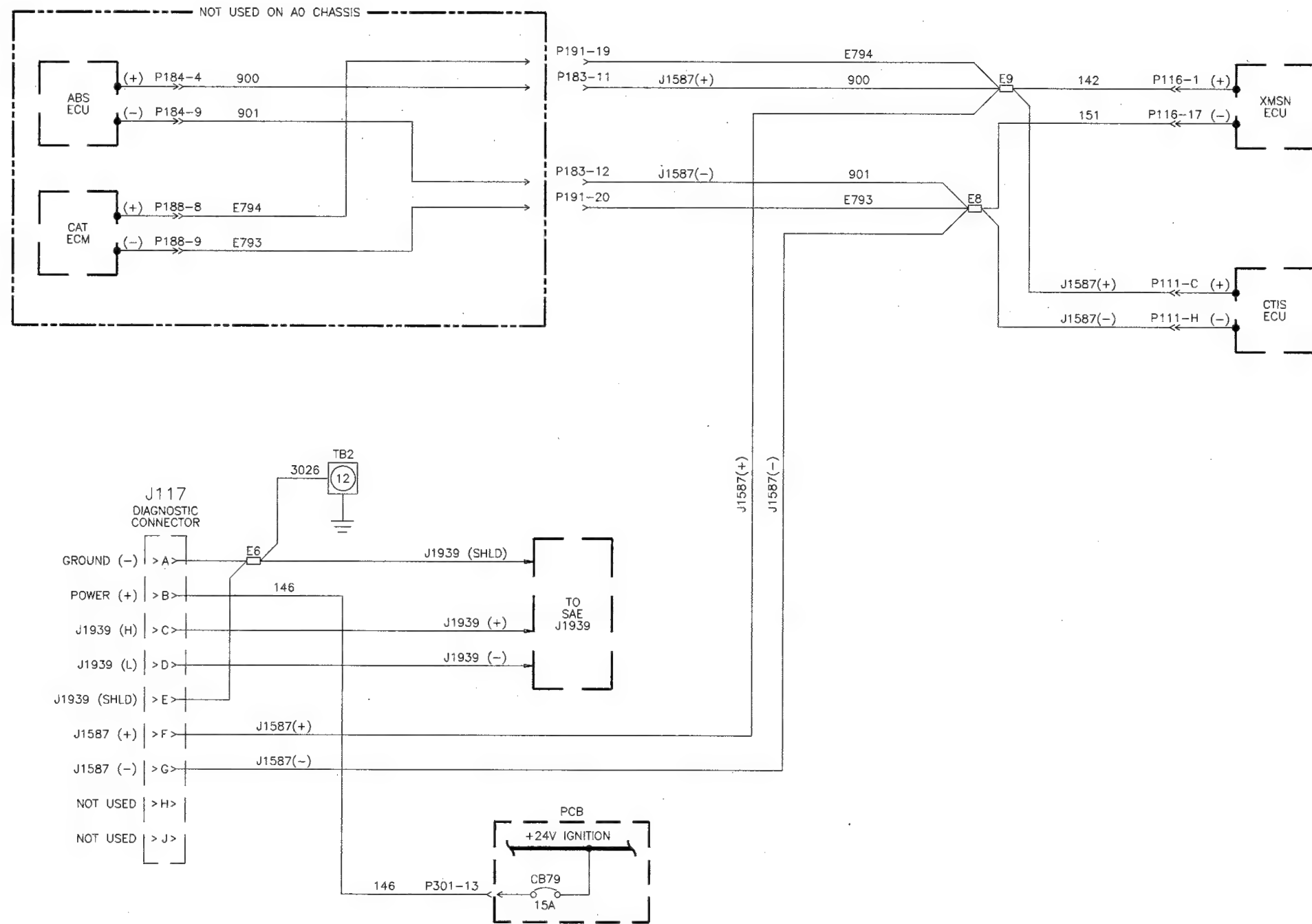
ELECTRICAL SCHEMATIC,  
AO-A1, LSAC

SIZE	CAGE CODE	DWG NO
E	0FW39	APC30422
SCALE	NONE	UNIT WT.
		SHEET 30





REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV	DESCRIPTION	
---	---	INITIAL RELEASE - PRODUCT BASELINE ECO10374	ADW/MSR
		2008-09-02	ESP 1 AC

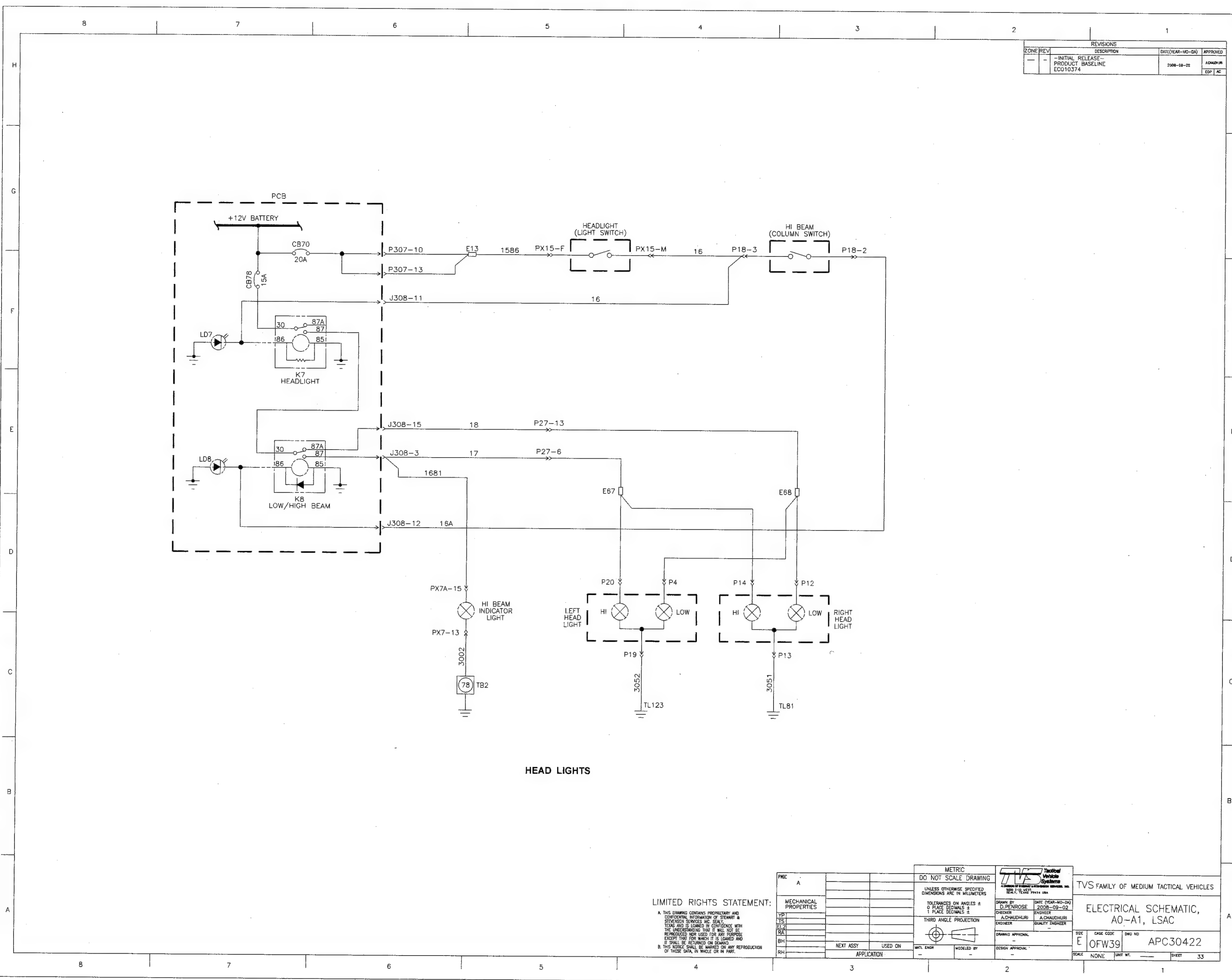


SAE J1587 DATA BUS

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES INC. (SSSI), TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PKIC A MECHANICAL PROPERTIES YP TS EL2 RA BH RH		METRIC DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ± THIRD ANGLE PROJECTION W/MT ENGR MODELED BY DESIGN APPROVAL	TVS Tactical Vehicle Systems A DIVISION OF STEWART & STEVENSON SERVICES INC. 5000 J-10 WEST SCARLETT, TEXAS 75076 USA DRAWN BY: D. PENROSE CHECKED BY: A. CHAUDHURI ENGINEER: A. CHAUDHURI QUALITY ENGINEER:	TVS FAMILY OF MEDIUM TACTICAL VEHICLES ELECTRICAL SCHEMATIC, A0-A1, LSAC SIZE: E CASE CODE: OFW39 DWS NO: APC30422 SCALE: NONE UNIT WT: SHEET 32
---	--	--	--	--



REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
-	-	- INITIAL RELEASE -	
-	-	- PRODUCT BASELINE	2008-08-02
-	-	- ECD 10374	

APPROVED  
EDP AC

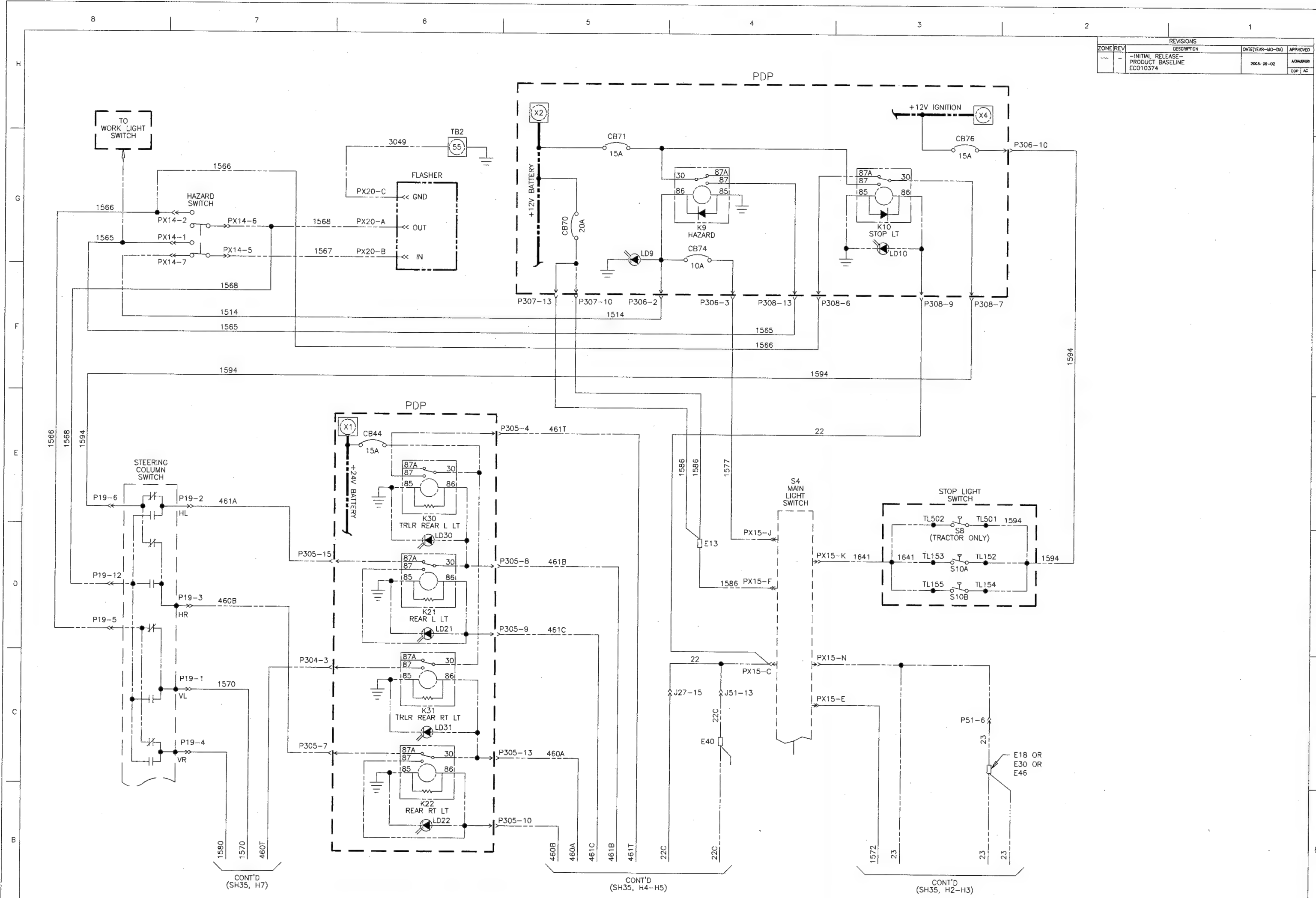
HEAD LIGHTS

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & STEVENSON SERVICES INC. SEAL, TEXAS AND IS LOANED BY CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

FMC		A		METRIC		DO NOT SCALE DRAWING		TVS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS											
TOLERANCES ON ANGLES ±				DRAWN BY		DATE (YEAR-MO-DA)		CHECKED		ENGINEER	
0 PLACE DECIMALS ±				D. PENROSE		2008-09-02		A. CHAUDHURI		A. CHAUDHURI	
1 PLACE DECIMALS ±				THIRD ANGLE PROJECTION				ENGINEER		QUALITY ENGINEER	
								DRAWING APPROVAL			
								SCALE		NONE	
								UNIT WT.			
								SHEET		33	

REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV		
---	---	---	---
- INITIAL RELEASE - PRODUCT BASELINE EC010374		2008-09-02	ADAMJUR ESP AC

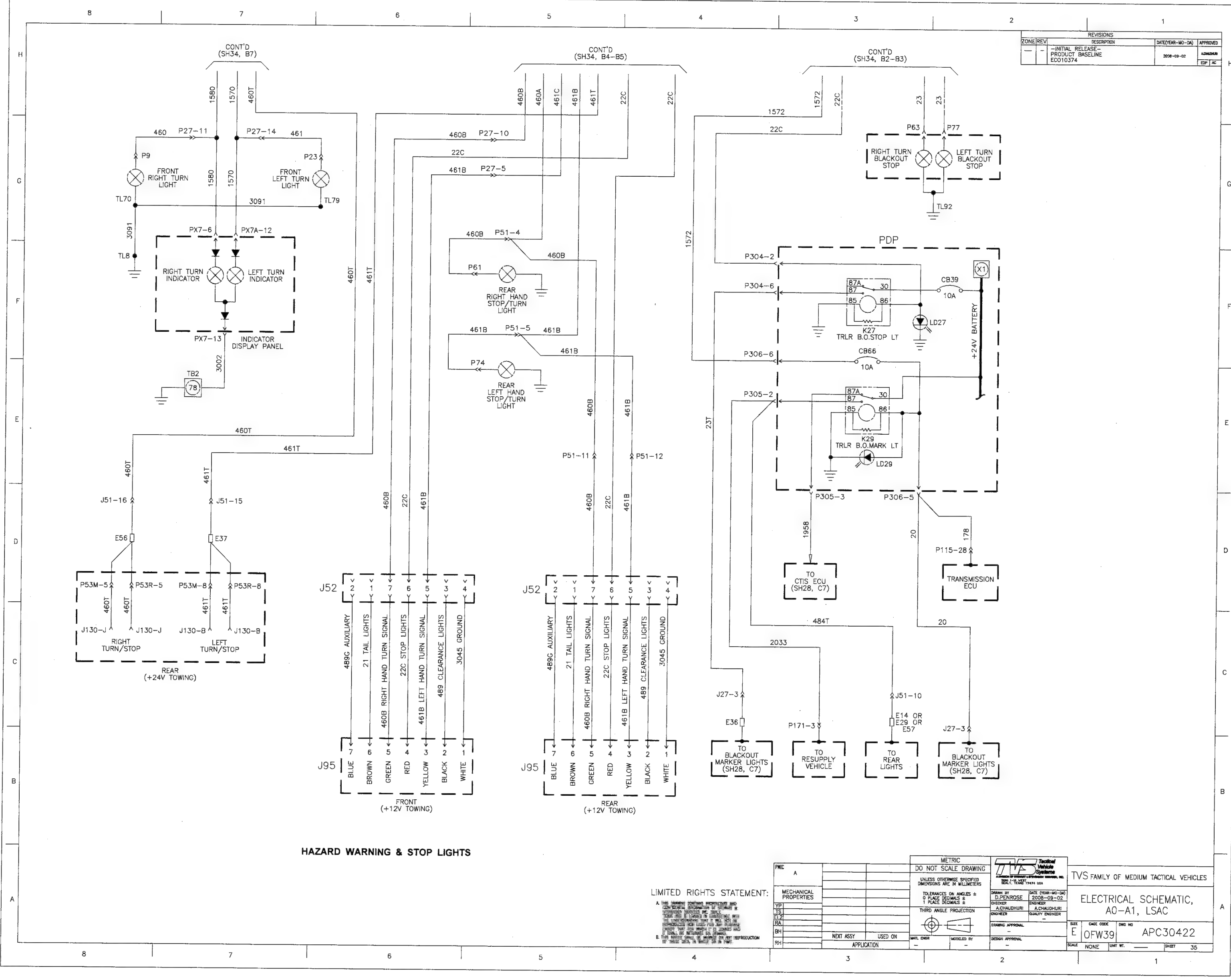


# HAZARD WARNING & STOP LIGHTS

## LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON & STEVENSON SERVICES INC. SEALY, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MAINTAINED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

<b>PHIC</b> <b>A</b>		<b>METRIC</b> <b>DO NOT SCALE DRAWING</b>		<b>TVS</b> Tactical Vehicle Systems <small>1001 E. 9th Street, Suite 100, Irving, TX 75039</small>	<b>TVS FAMILY OF MEDIUM TACTICAL VEHICLES</b>			
<b>MECHANICAL PROPERTIES</b>		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DRAWN BY: D. PENROSE CHECKED: A. CHAUDHURI ENGINEER: A. CHAUDHURI QUALITY ENGINEER:		DATE (YEAR-MO-DA): 2008-09-02		
YP TS EL2 RA BH RH		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		THIRD ANGLE PROJECTION		DRAWING APPROVAL:		
NEXT ASSY USED ON APPLICATION		MAIL ENVR MODELED BY		DESIGN APPROVAL:		SIZE: E CASE CODE: OFW39 DWG NO: APC30422		
SCALE: NONE		UNIT WT.:		SHEET: 34				



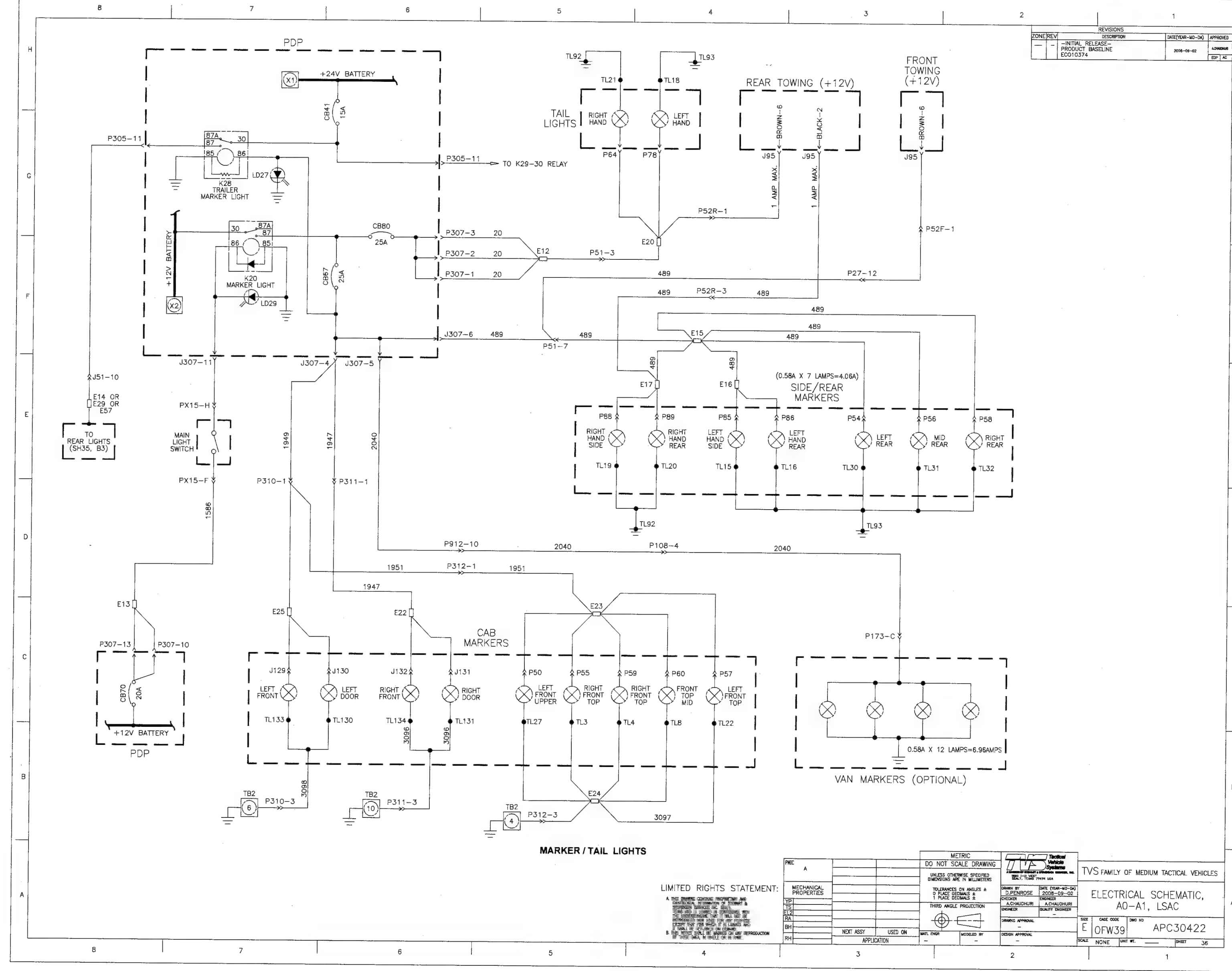
REVISIONS			
ZONE/REV	DESCRIPTION	DATE (YEAR-MO-DAY)	APPROVED
1	INITIAL RELEASE-- PRODUCT BASELINE ECO10374	2008-09-02	ADHUKAR
			ESP/AC

LIMITED RIGHTS STATEMENT:



P/NIC A		METRIC DO NOT SCALE DRAWING		TVS Technical Vehicle Systems A CHAUDHURI & SONS PVT. LTD. BANGALORE, KARNATAKA, INDIA		TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY D. PENROSE ENGINEER		DATE (YEAR-MO-DAY) 2008-09-02		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
THIRD ANGLE PROJECTION		TO BLACKOUT MARKER LIGHTS (SH28, C7)		TO RESUPPLY VEHICLE		TO REAR LIGHTS		TO BLACKOUT MARKER LIGHTS (SH28, C7)	
NEXT ASSY		USED ON		DRAWING APPROVAL		DESIGN APPROVAL		SIZE E OFW39	
APPLICATION		MATERIAL		MODELED BY		SCALE NONE		UNIT WT. ---	
								SHEET 35	



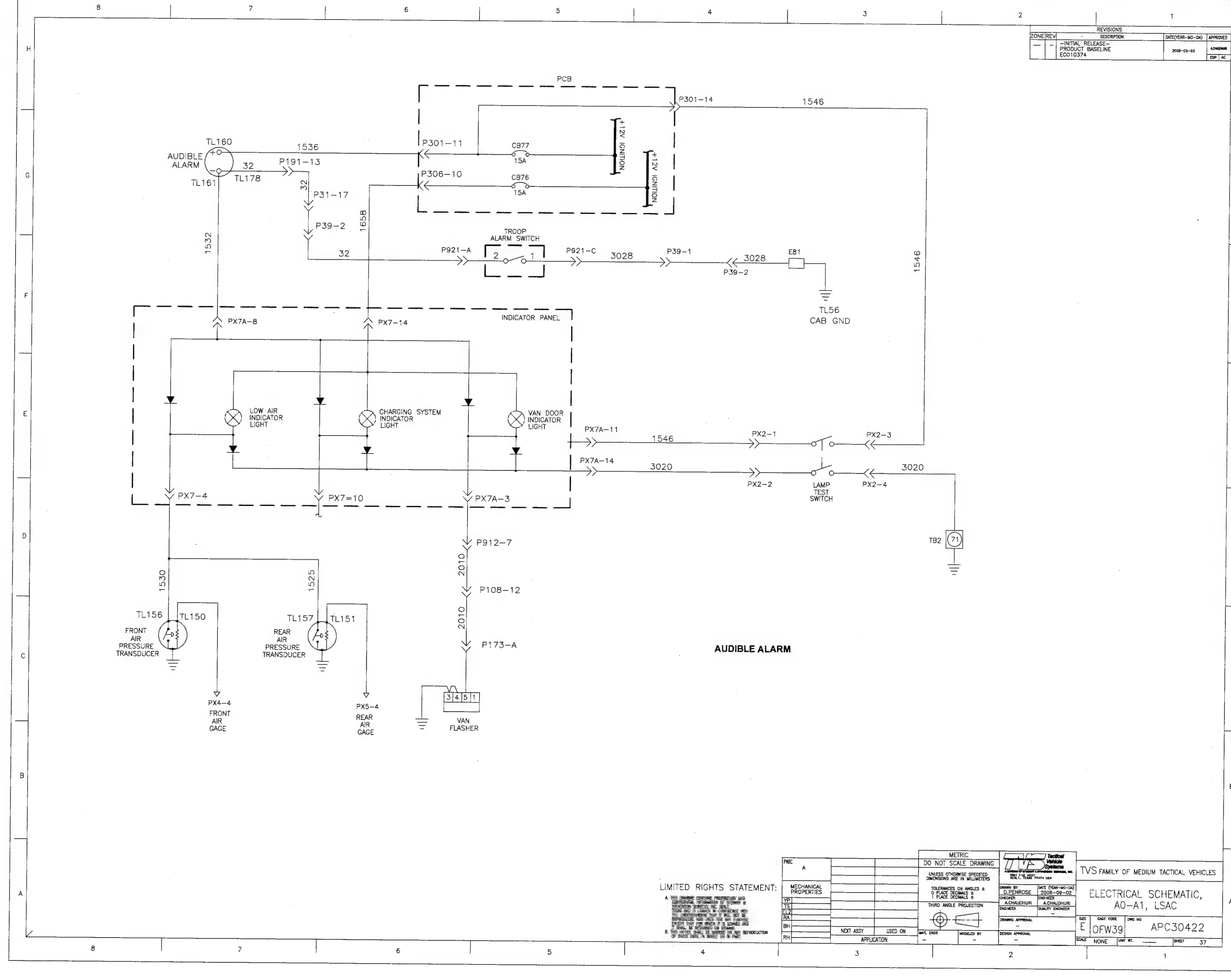


REVISIONS		DATE (YEAR-MO-DAY)	APPROVED
ZONE/REV	DESCRIPTION		
1	INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-09-02	ALWENAR ESP 1 AC

LIMITED RIGHTS STATEMENT:

A. THIS DOCUMENT CONTAINS INFORMATION THAT IS UNCLASSIFIED AND IS NOT TO BE RELEASED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE U.S. GOVERNMENT.

METRIC DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ± THIRD ANGLE PROJECTION		TVS Technical Vehicle Systems ELECTRICAL SCHEMATIC, A0-A1, LSAC	
DATE (YEAR-MO-DAY) 2008-09-02	CHECKED BY A. CHAUDHURI	ENGINEER	QUALITY ENGINEER
DRAWING APPROVAL	DESIGN APPROVAL	SCALE NONE	UNIT WT. —
APPLIED BY —	USED ON —	SIZE E	APC30422
APPLICATION			SHEET 36

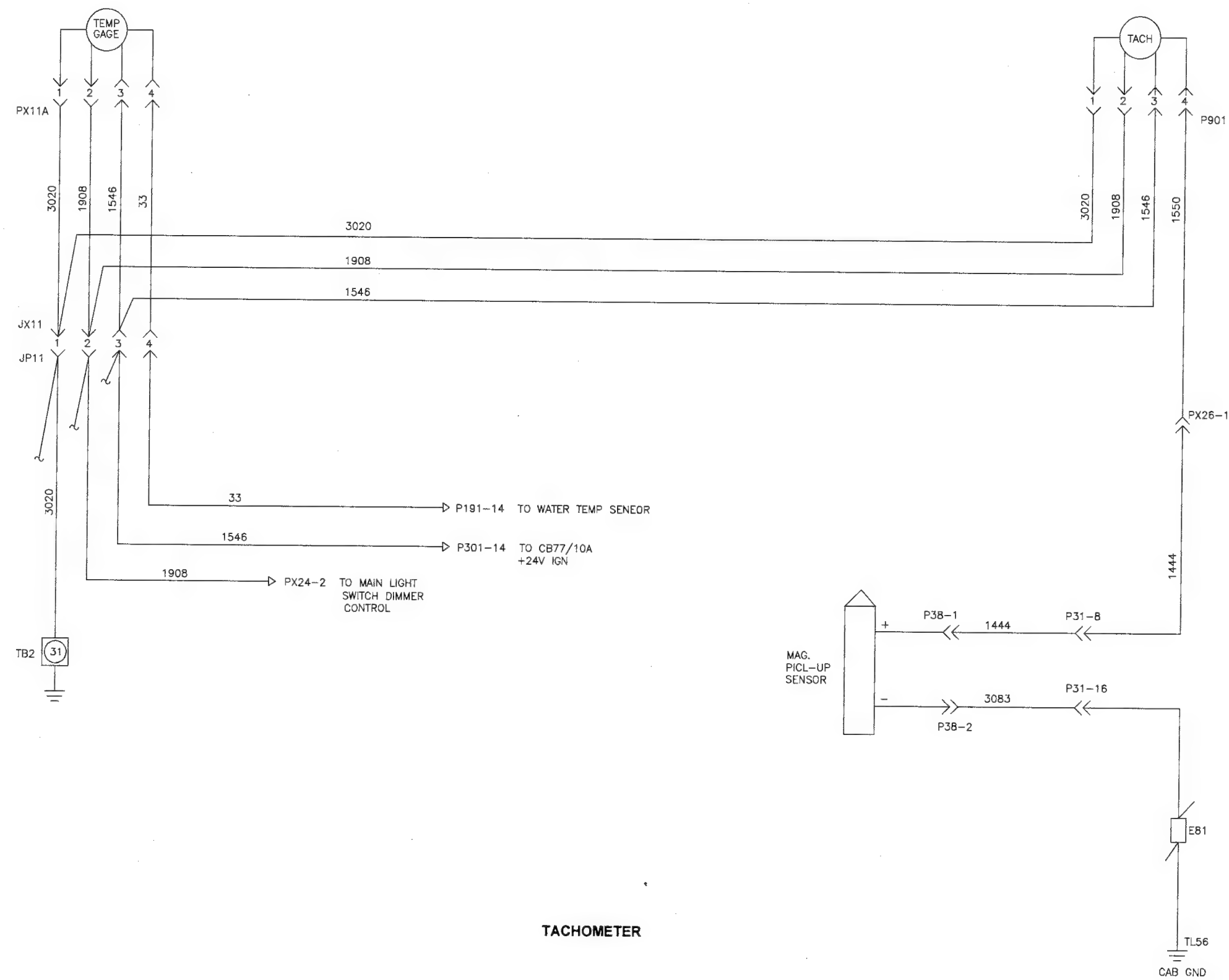


ZONE/REV		REVISIONS	DATE (YEAR-MO-DA)	APPROVED
—	—	INITIAL RELEASE— PRODUCT BASELINE ECO10374	2008-09-02	ADHODAR EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DOCUMENT IS UNCLASSIFIED  
B. EXCEPT WHERE SHOWN OTHERWISE, THIS DOCUMENT IS UNCLASSIFIED



PHIC	A	METRIC DO NOT SCALE DRAWING		TVS Tactical Vehicle Systems 10000 W. 10th Street, Suite 100 Overland Park, KS 66211-1000		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		DRAWN BY: D. PENROSE CHECKER: A. CHAUDHURI ENGINEER: A. CHAUDHURI QUALITY ENGINEER: —	
YP		THIRD ANGLE PROJECTION		DATE (YEAR-MO-DA) 2008-09-02		ELECTRICAL SCHEMATIC, A0-A1, LSAC	
YS		NEXT ASSY		DRAWING APPROVAL		SIZE: E	
RA		USED ON		DESIGN APPROVAL		CAGE CODE: OFW39	
BH		APPLICATION		SCALE: NONE		DWG NO: APC30422	
RH				SHEET: 37			

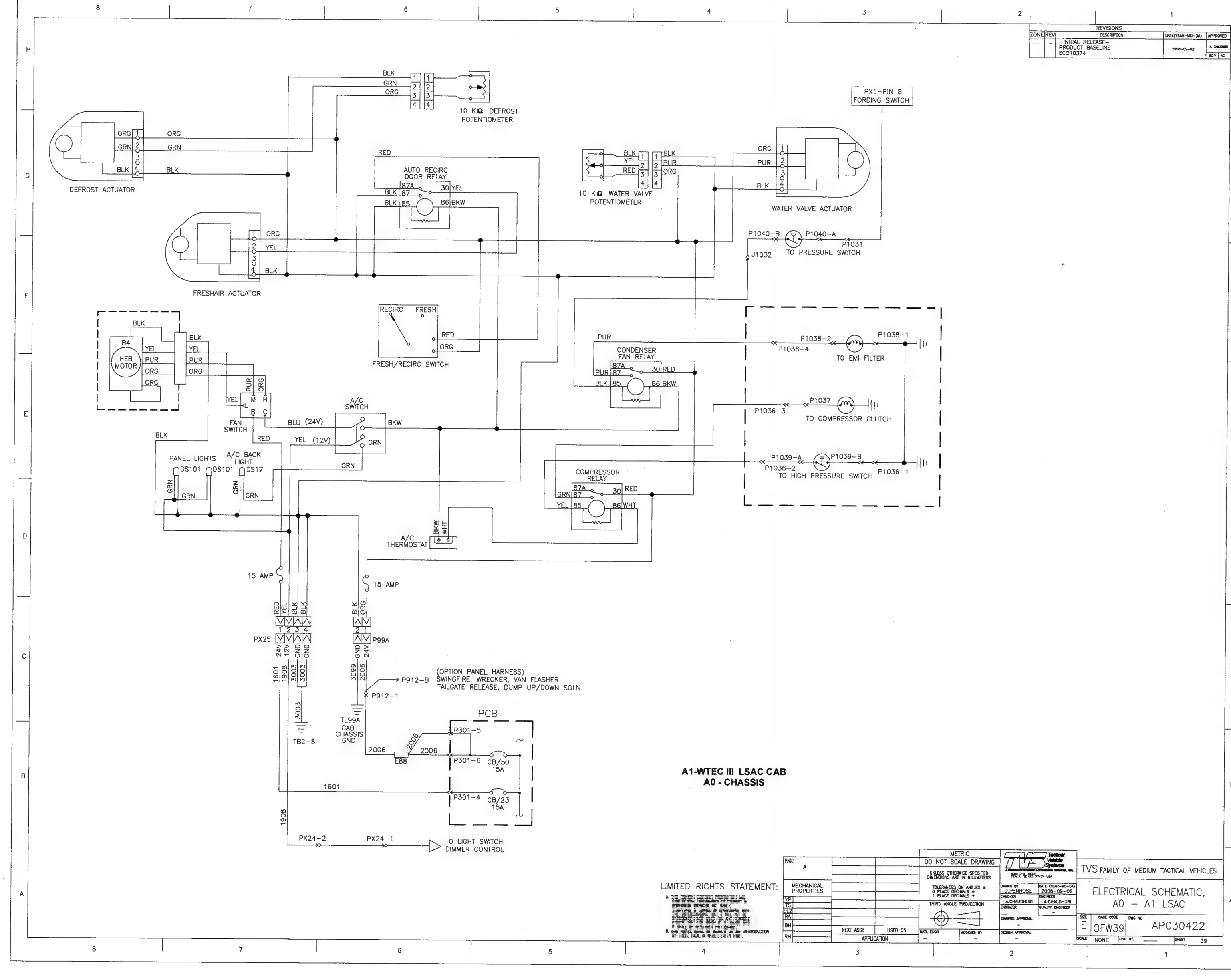
REVISIONS				
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)	APPROVED
		-INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-09-02	<div>ADAM BURNS</div> <div>EDP AC</div>



**TACHOMETER**

LIMITED RIGHTS STATEMENT:

PNIC	A	METRIC		 <small>A Division of Warner's International Company, Inc.</small> <small>1001 N. PLAZA #7742 LOMA</small>	TVS FAMILY OF MEDIUM TACTICAL VEHICLES			
		DO NOT SCALE DRAWING			ELECTRICAL SCHEMATIC, A0-A1, LSAC			
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DRAWN BY D.PENROSE DATE (YEAR-MO-DA) 2008-09-02		ELECTRICAL SCHEMATIC, A0-A1, LSAC		
YP		TOLERANCES ON ANGLES ±		CHECKED A.CHAUDHURI A.CHAUDHURI				
TYS		0 PLACE DECIMALS ±		ENGINEER QUALITY ENGINEER				
EL2		1 PLACE DECIMALS ±		DRAWING APPROVAL ——— DESIGN APPROVAL ———				
RA		THIRD ANGLE PROJECTION				SIZE	CAGE CODE	DWG NO
BH		NEXT ASSY USED ON		MAIL ENGR MODELED BY ——— ——— ———		E	OFW 039	APC30422
RH		APPLICATION		SCALE NONE UNIT WT. ——— SHEET 3/8				



REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE/REV	DESCRIPTION		
---	INITIAL RELEASE- PRODUCT BASELINE ECG10374	2008-09-02	A. CHAUDHURI ECP JAC

A1-WTEC III LSAC CAB  
A0 - CHASSIS

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND  
UNCLASSIFIED INFORMATION OF THE U.S. GOVERNMENT  
B. THE U.S. GOVERNMENT IS AUTHORIZED TO REPRODUCE  
OR TO TRANSMIT INFORMATION CONTAINED HEREIN  
WITHOUT LIMITATION

PNIC	A
MECHANICAL PROPERTIES	
YIP	
YIS	
YIA	
BH	
RH	

NEXT ASSY	USED ON
APPLICATION	

METRIC DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES ±	
0 PLACE DECIMALS ±	
1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
DATE ENGR	MODELED BY
DESIGN APPROVAL	

TVS Tactical Vehicle Systems	
DRAWN BY: D. PENROSE	
CHECKED BY: A. CHAUDHURI	
ENGINEER	
QUALITY ENGINEER	
DATE (YEAR-MO-DA): 2008-09-02	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES

ELECTRICAL SCHEMATIC,  
A0 - A1 LSAC

SIZE	CAGE CODE	DWG NO.
E	OFW39	APC30422
SCALE	NONE	UNIT WT.
		SHEET 39





1. APPLICABLE STANDARDS/SPECIFICATIONS:  
A. ASME Y14.100-2000  
B. ASME Y14.5M-1994

2. IEEE/ASTM SI 10 SHALL BE USED IN CONVERTING AND ROUNDING OFF. 1 INCH=25.4mm APPLIES.

### 3 B4 HEATER POSITIONS

- B\* HEATER  
0 - OFF  
1 - LOW  
2 - MED  
3 - HIGH

4 THE FOLLOWING SIGNALS UTILIZE SAE J1587 VEHICLE DATA BUS: ENGINE OIL PRESSURE, COOLANT TEMPERATURE, ENGINE SPEED (RPM), VEHICLE SPEED, VOLTAGE (+24V), CHECK TRANSMISSION, TRANSMISSION TEMPERATURE AND TRAILER ABS.

5. USED ON VEHICLE SERIAL No's 100,001 TO 105,725.


6. FOR GENERAL CROSS REFERENCE, THIS SCHEMATIC IS DERIVED FROM THE STANDARD FMTV ELECTRICAL SCHEMATIC: 12423146.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)	APPROV
---	-	-INITIAL RELEASE- PRODUCT BASELINE ECO10374	2006-08-02	A. CHEN SVP

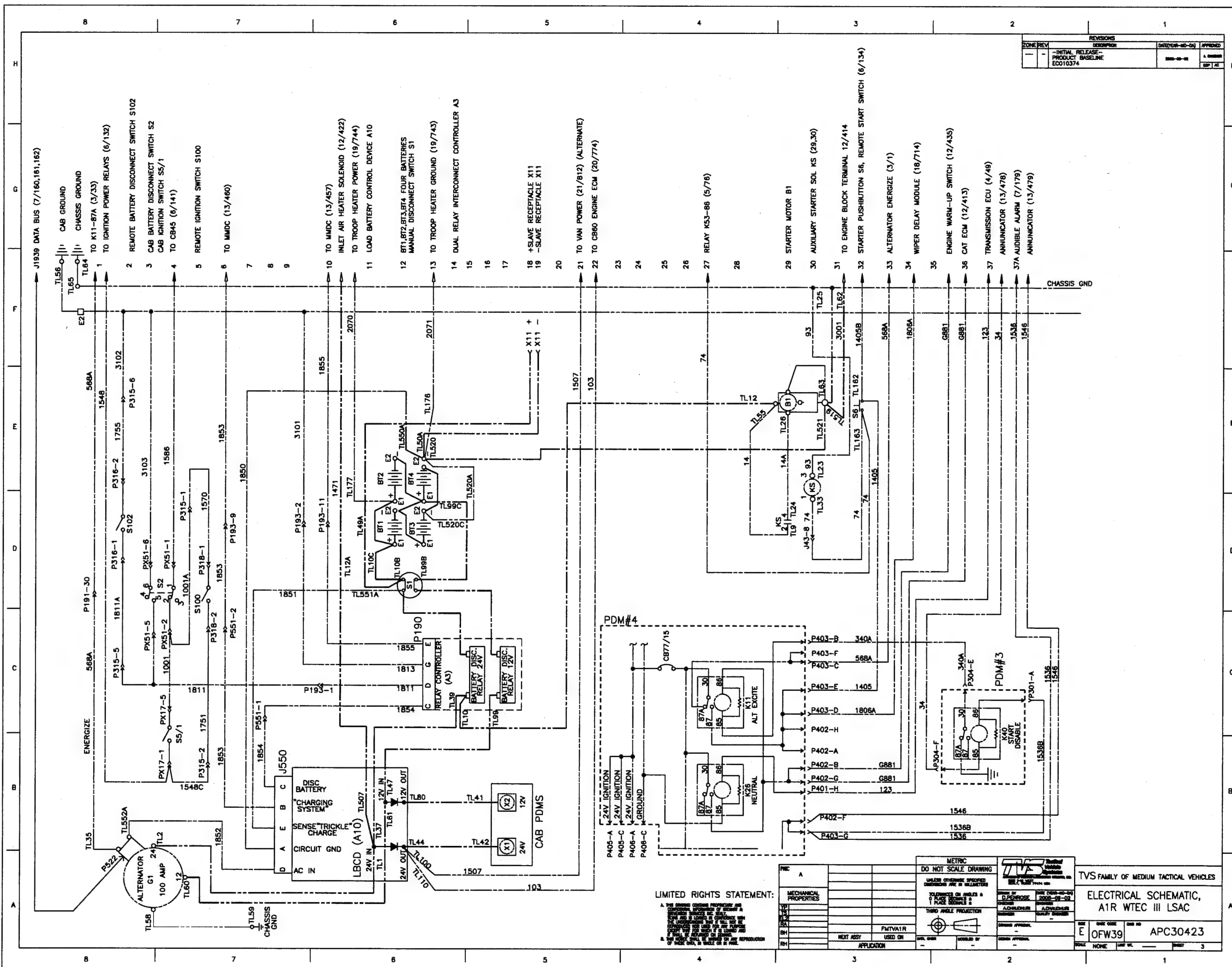
LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF SHIMADZU & SEIKO SERVICES INC. SOLELY. IT IS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.

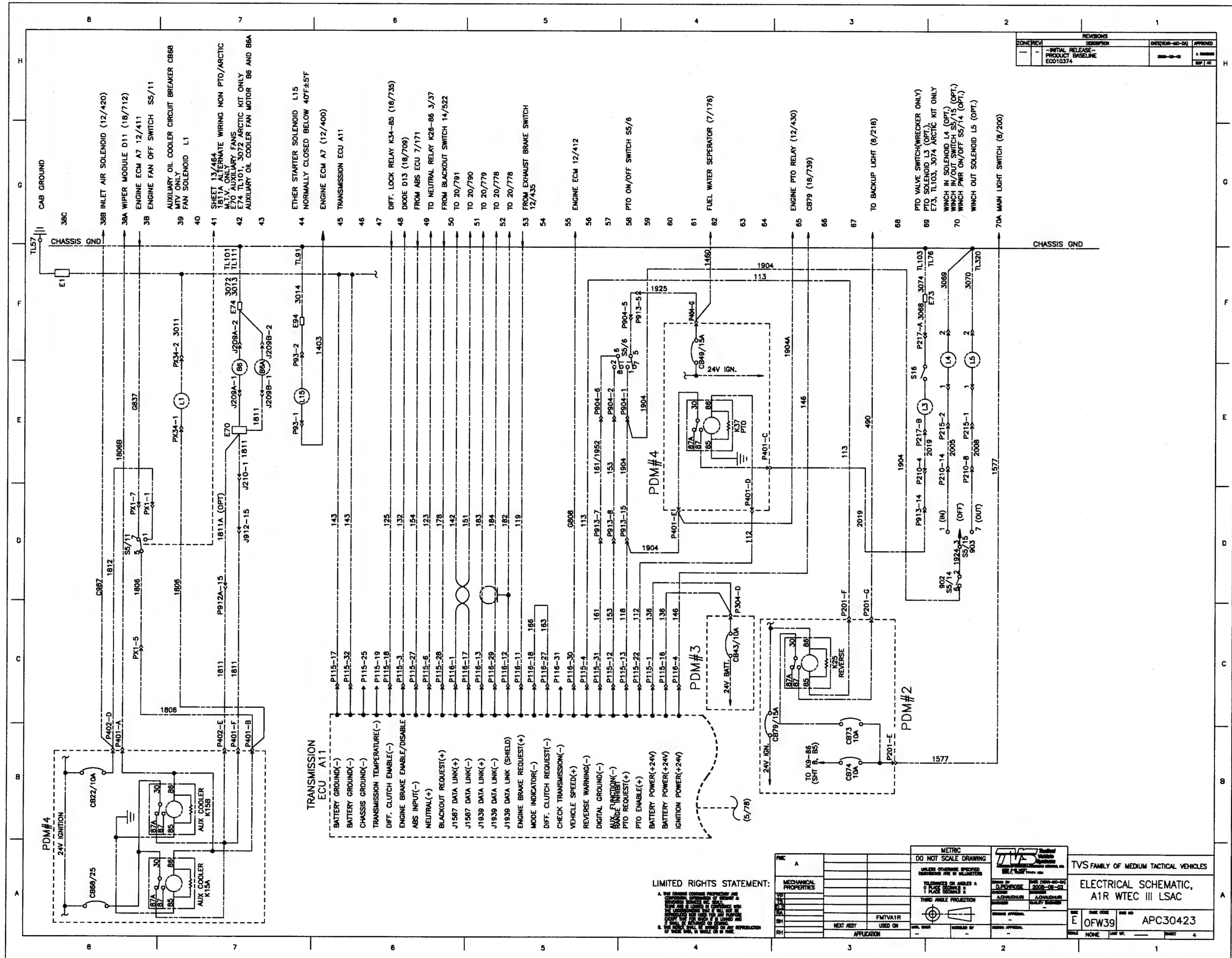
B. THIS DRAWING IS LOANED TO YOU ON THE UNDERSTANDING THAT YOU WILL NOT REPRODUCE OR TRANSMIT IT IN ANY MANNER OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SHIMADZU & SEIKO SERVICES INC.

P/N: A		DO NOT SCALE DRAWING		 THE TVS GROUP OF COMPANIES TVS LIMITED 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900,	
--------	--	----------------------	--	--	--

EQUIPMENT LIST REF				EQUIPMENT LIST REF				EQUIPMENT LIST REF			
REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION
A1	FLASHER UNIT	8	213	DS96	LEFT REAR/REAR MARKER RED	10	284	E201	SPLICE	14	497
A2	CENTRAL TIRE INFLATION SYSTEM ECU	14	480	DS97	RIGHT SIDE REAR MARKER RED	10	284	F	FUSE	14	497
A3	DUAL RELAY INTERCONNECT CONTROL	3	14	DS98	RIGHT REAR/REAR MARKER RED	10	284	F1	FUSE	19	755
A4	CBS RADIO (GPE)	14	480	DS99	REAR (D) LEFT RED	10	287	F2	FUSE	3	10
A5	CBS PHREATIC CONTROL UNIT	14	480	DS100	REAR (D) RIGHT RED	10	287	F3	FUSELINK	12	420
A7	ENGINE ECU	12	402	DS101	REAR COMPOSITE MARKER LEFT	10	277,280	F1.1	FML WIPER PUMP	18	721
A8	ABS ECU	12	402	DS102	REAR COMPOSITE MARKER RIGHT	10	277,281	F1.2	FML WIPER MOTOR	18	721
A10	LOAD BATTERY CONTROL DEVICE (LBCD)	3	11	DS103	HEADLIGHT RIGHT	9	238	F1.3	FML HEATER MOTOR	8	188
A11	ELECTRONIC CONTROL UNIT(AMSN)	4,5,10,8	49,78,309,148	DS104	INTERIOR LIGHT	13	481	G1	ALTERNATOR 100 AMP	3	2
A12	RELAY SELECTOR	20	774	DS105	INTERIOR LIGHT	13	481	G2	ALTERNATOR 200 AMP	3	2
A13	POWER OUTLET	20	774	DS106	INTERIOR LIGHT	13	481	K5	AUXILIARY STARTER SOLENOID	3	30
A17	VEHICLE DATA COMPUTER INSTRUMENT	13	482	DS107	INTERIOR LIGHT	13	481	K1	24V IGNITION RELAY	6	137
A18	INDICATOR PANEL / ANNUNCIATOR	13	482	DS108	INTERIOR LIGHT	13	481	K2	12V IGNITION RELAY	6	138
A19	ARCTIC KIT ECU	11,19	350,788	DS109	INTERIOR LIGHT	13	481	K5	HEADLIGHT RELAY	9	237
A20	FUEL WATER SEPARATOR	9	177	DS110	INTERIOR LIGHT	13	481	K6	LOW/HIGH BEAM RELAY	9	237
A21	INSTRUMENT PANEL	6	114	DS111	INTERIOR LIGHT	13	481	K9	HAZARD FLASHER RELAY	8	198
B	ARCTIC KIT HEATER PUMP MOTOR	11	350	DS112	INTERIOR LIGHT	13	481	K10	STOP LIGHT RELAY	8	198
B1	STARTER MOTOR	3	28	DS113	EXTERIOR MARKER LIGHT	10	284	K11	EXHAUST RELAY	3	32
B2	WIPER MOTOR	18	720	DS114	EXTERIOR MARKER LIGHT	10	284	K12	WORK LIGHT RELAY	10	288
B3	WIPER MOTOR	18	720	DS115	EXTERIOR MARKER LIGHT	10	284	K13	ROTARY WARNING RELAY	9	233
B4	WIPER MOTOR	18	720	DS116	EXTERIOR MARKER LIGHT	10	284	K14	AUXILIARY COOLER RELAY	4	38
B5	WIPER MOTOR	18	720	DS117	EXTERIOR MARKER LIGHT	10	284	K15	EXHAUST BRAKE RELAY	12	424
B6	WIPER MOTOR	18	720	DS118	EXTERIOR MARKER LIGHT	10	284	K16	ASS LAMP RELAY	7	174
B7	WIPER MOTOR	18	720	DS119	EXTERIOR MARKER LIGHT	10	284	K17	START INHIBIT RELAY	18	713
B8	WIPER MOTOR	18	720	DS120	EXTERIOR MARKER LIGHT	10	284	K18	MARKER LAMP RELAY	9	282
B9	WIPER MOTOR	18	720	DS121	EXTERIOR MARKER LIGHT	10	284	K19	REAR LEFT LIGHT RELAY	8	204
B10	TRANSFER CASE CONNECTOR	5	77	DS122	EXTERIOR MARKER LIGHT	10	284	K20	REAR RIGHT RELAY	8	204
B11	SWING FIRE MOTOR	11	375	DS123	EXTERIOR MARKER LIGHT	10	284	K21	REVERSE WARNING RELAY	4	68
B12	SWING FIRE HEATER	11	378	DS124	EXTERIOR MARKER LIGHT	10	284	K22	NEUTRAL START RELAY	3	32
B13	BATTERY	3	9	DS125	EXTERIOR MARKER LIGHT	10	284	K23	TRAILER B.O. STOP LIGHT RELAY	14	523
B14	BATTERY	3	9	DS126	EXTERIOR MARKER LIGHT	10	284	K24	TRAILER MARKER LIGHT RELAY	9	280
B15	BATTERY	3	9	DS127	EXTERIOR MARKER LIGHT	10	284	K25	TRAILER B.O. MARK LIGHT RELAY	14	523
B16	BATTERY	3	9	DS128	EXTERIOR MARKER LIGHT	10	284	K26	TRAILER REAR LEFT LIGHT RELAY	8	202
B17	BATTERY	3	9	DS129	EXTERIOR MARKER LIGHT	10	284	K27	TRAILER REAR RIGHT LIGHT RELAY	8	207
B18	BATTERY	3	9	DS130	EXTERIOR MARKER LIGHT	10	284	K28	DIFFERENTIAL LOCK RELAY	18	733
B19	BATTERY	3	9	DS131	EXTERIOR MARKER LIGHT	10	284	K29	PTO RELAY	11	378
B20	BATTERY	3	9	DS132	EXTERIOR MARKER LIGHT	10	284	K30	START DISABLE	3	374
B21	BATTERY	3	9	DS133	EXTERIOR MARKER LIGHT	10	284	K31	ENGINE PTO RELAY	12	428
B22	BATTERY	3	9	DS134	EXTERIOR MARKER LIGHT	10	284	K32	RADIO POWER RELAY	5	75
B23	BATTERY	3	9	DS135	EXTERIOR MARKER LIGHT	10	284	K33	FAN SOLENOID	4	38
B24	BATTERY	3	9	DS136	EXTERIOR MARKER LIGHT	10	284	K34	PTO SOLENOID	4	38
B25	BATTERY	3	9	DS137	EXTERIOR MARKER LIGHT	10	284	K35	WINCH IN SOLENOID	4	60
B26	BATTERY	3	9	DS138	EXTERIOR MARKER LIGHT	10	284	K36	WINCH OUT SOLENOID	4	70
B27	BATTERY	3	9	DS139	EXTERIOR MARKER LIGHT	10	284	K37	INTER-AXLE DIFFERENTIAL SOLENOID	18	738
B28	BATTERY	3	9	DS140	EXTERIOR MARKER LIGHT	10	284	K38	TAILGATE RELEASE SOLENOID	11	378
B29	BATTERY	3	9	DS141	EXTERIOR MARKER LIGHT	10	284	K39	DUMP BODY UP SOLENOID	11	378
B30	BATTERY	3	9	DS142	EXTERIOR MARKER LIGHT	10	284	K40	DUMP BODY DOWN SOLENOID	11	377
B31	BATTERY	3	9	DS143	EXTERIOR MARKER LIGHT	10	284	K41	INLET AIR HEATER SOLENOID	12	424
B32	BATTERY	3	9	DS144	EXTERIOR MARKER LIGHT	10	284	K42	ENGINE EXHAUST BRAKE SOLENOID	4	34
B33	BATTERY	3	9	DS145	EXTERIOR MARKER LIGHT	10	284	K43	FILTR STARTER SOLENOID	11	373
B34	BATTERY	3	9	DS146	EXTERIOR MARKER LIGHT	10	284	K44	ARCTIC KIT RECIRCULATING SOLENOID	11	373
B35	BATTERY	3	9	DS147	EXTERIOR MARKER LIGHT	10	284	K45	ARCTIC KIT SOLENOID	11	370
B36	BATTERY	3	9	DS148	EXTERIOR MARKER LIGHT	10	284	K46	HOON	7	725
B37	BATTERY	3	9	DS149	EXTERIOR MARKER LIGHT	10	284	K47	DOOR ALARM	13	454
B38	BATTERY	3	9	DS150	EXTERIOR MARKER LIGHT	10	284	K48	VOLTMETER 12V	13	454
B39	BATTERY	3	9	DS151	EXTERIOR MARKER LIGHT	10	284	K49	24V VOLTMETER	13	454
B40	BATTERY	3	9	DS152	EXTERIOR MARKER LIGHT	10	284	K50	ENGINE OIL PRESSURE METER	13	454
B41	BATTERY	3	9	DS153	EXTERIOR MARKER LIGHT	10	284	K51	AIR PRESSURE FRONT METER	13	454
B42	BATTERY	3	9	DS154	EXTERIOR MARKER LIGHT	10	284	K52	AIR PRESSURE REAR METER	13	454
B43	BATTERY	3	9	DS155	EXTERIOR MARKER LIGHT	10	284	K53	WATER TEMPERATURE METER	13	450
B44	BATTERY	3	9	DS156	EXTERIOR MARKER LIGHT	10	284	K54	FUEL LEVEL METER	13	450
B45	BATTERY	3	9	DS157	EXTERIOR MARKER LIGHT	10	284	K55	SPEEDOMETER	13	454
B46	BATTERY	3	9	DS158	EXTERIOR MARKER LIGHT	10	284	K56	CHEMICAL ALARM (GPE)	10	382
B47	BATTERY	3	9	DS159	EXTERIOR MARKER LIGHT	10	284	K57	CHEMICAL DETECTOR (UFE)	10	382
B48	BATTERY	3	9	DS160	EXTERIOR MARKER LIGHT	10	284	K58	FUEL LEVEL SENSOR	13	458
B49	BATTERY	3	9	DS161	EXTERIOR MARKER LIGHT	10	284	K59	ENGINE SPEED SENSOR	5	82
B50	BATTERY	3	9	DS162	EXTERIOR MARKER LIGHT	10	284	K60	INSTANTANEOUS POSITION SENSOR	12	401
B51	BATTERY	3	9	DS163	EXTERIOR MARKER LIGHT	10	284	K61	CIS PRESSURE TRANSDUCER	12	401
B52	BATTERY	3	9	DS164	EXTERIOR MARKER LIGHT	10	284	K62	ABS RIGHT FRONT WHEEL SENSOR	7	150
B53	BATTERY	3	9	DS165	EXTERIOR MARKER LIGHT	10	284	K63	ABS LEFT FRONT WHEEL SENSOR	7	151
B54	BATTERY	3	9	DS166	EXTERIOR MARKER LIGHT	10	284	K64	ABS LEFT REAR WHEEL SENSOR	7	154
B55	BATTERY	3	9	DS167	EXTERIOR MARKER LIGHT	10	284	K65	ABS RIGHT REAR WHEEL SENSOR	7	154
B56	BATTERY	3	9	DS168	EXTERIOR MARKER LIGHT	10	284	K66	ABS RIGHT FRONT MODULATOR VALVE	7	147
B57	BATTERY	3	9	DS169	EXTERIOR MARKER LIGHT	10	284	K67	ABS LEFT FRONT MODULATOR VALVE	7	148
B58	BATTERY	3	9	DS170	EXTERIOR MARKER LIGHT	10	284	K68	ABS RIGHT REAR MODULATOR VALVE	7	158
B59	BATTERY	3	9	DS171	EXTERIOR MARKER LIGHT	10	284	K69	ABS LEFT REAR MODULATOR VALVE	7	159
B60	BATTERY	3	9	DS172	EXTERIOR MARKER LIGHT	10	284	K70	POWER DISTRIBUTION MODULE	18	737
B61	BATTERY	3	9	DS173	EXTERIOR MARKER LIGHT	10	284	K71	AIR DRYER	18	737
B62	BATTERY	3	9	DS174	EXTERIOR MARKER LIGHT	10	284	K72	(NOT USED)	11	383
B63	BATTERY	3	9	DS175	EXTERIOR MARKER LIGHT	10	284	K73	DO NOT PRESAT ELEMENT (OPT)	11	383
B64	BATTERY	3	9	DS176	EXTERIOR MARKER LIGHT	10	284	K74	DO NOT PRESAT ELEMENT (OPT)	11	383
B65	BATTERY	3	9	DS177	EXTERIOR MARKER LIGHT	10	284	K75	DO NOT PRESAT ELEMENT (OPT)	11	383
B66	BATTERY	3	9	DS178	EXTERIOR MARKER LIGHT	10	284	K76	DO NOT PRESAT ELEMENT (OPT)	11	383
B67	BATTERY	3	9	DS179	EXTERIOR MARKER LIGHT	10	284	K77	DO NOT PRESAT ELEMENT (OPT)	11	383
B68	BATTERY	3	9	DS180	EXTERIOR MARKER LIGHT	10	284	K78	DO NOT PRESAT ELEMENT (OPT)	11	383
B69	BATTERY	3	9	DS181	EXTERIOR MARKER LIGHT	10	284	K79	DO NOT PRESAT ELEMENT (OPT)	11	383
B70	BATTERY	3	9	DS182	EXTERIOR MARKER LIGHT	10	284	K80	DO NOT PRESAT ELEMENT (OPT)	11	383
B71	BATTERY	3	9	DS183	EXTERIOR MARKER LIGHT	10	284	K81	DO NOT PRESAT ELEMENT (OPT)	11	383
B72	BATTERY	3	9	DS184	EXTERIOR MARKER LIGHT	10	284	K82	DO NOT PRESAT ELEMENT (OPT)	11	383
B73	BATTERY	3	9	DS185	EXTERIOR MARKER LIGHT	10	284	K83	DO NOT PRESAT ELEMENT (OPT)	11	383
B74	BATTERY	3	9	DS186	EXTERIOR MARKER LIGHT	10	284	K84	DO NOT PRESAT ELEMENT (OPT)	11	383
B75	BATTERY	3	9	DS187	EXTERIOR MARKER LIGHT	10	284	K85	DO NOT PRESAT ELEMENT (OPT)	11	383
B76	BATTERY	3	9	DS188	EXTERIOR MARKER LIGHT	10	284	K86	DO NOT PRESAT ELEMENT (OPT)	11	383
B77	BATTERY	3	9	DS189	EXTERIOR MARKER LIGHT	10	284	K87	DO NOT PRESAT ELEMENT (OPT)	11	383
B78	BATTERY	3	9	DS190	EXTERIOR MARKER LIGHT	10	284	K88	DO NOT PRESAT ELEMENT (OPT)	11	383
B79	BATTERY	3	9	DS191	EXTERIOR MARKER LIGHT	10	284	K89	DO NOT PRESAT ELEMENT (OPT)	11	383
B80	BATTERY	3	9	DS192	EXTERIOR MARKER LIGHT	10	284	K90	DO NOT PRESAT ELEMENT (OPT)	11	383
B81	BATTERY	3	9	DS193	EXTERIOR MARKER LIGHT	10	284	K91	DO NOT PRESAT ELEMENT (OPT)	11	383
B82	BATTERY	3	9	DS194	EXTERIOR MARKER LIGHT	10	284	K92	DO NOT PRESAT ELEMENT (OPT)	11	383
B83	BATTERY	3	9	DS195	EXTERIOR MARKER LIGHT	10	284	K93	DO NOT PRESAT ELEMENT (OPT)	11	383
B84	BATTERY	3	9	DS196	EXTERIOR MARKER LIGHT	10	284	K94	DO NOT PRESAT ELEMENT (OPT)	11	383
B85	BATTERY	3	9	DS197	EXTERIOR MARKER LIGHT	10	284	K95	DO NOT PRESAT ELEMENT (OPT)	11	383
B86	BATTERY	3	9	DS198	EXTERIOR MARKER LIGHT	10	284	K96	DO NOT PRESAT ELEMENT (OPT)	11	383
B87	BATTERY	3	9	DS199	EXTERIOR MARKER LIGHT	10	284	K97	DO NOT PRESAT ELEMENT (OPT)	11	383
B88	BATTERY	3	9	DS200	EXTERIOR MARKER LIGHT	10	284	K98	DO NOT PRESAT ELEMENT (OPT)	11	383
B89	BATTERY	3	9	DS201	EXTERIOR MARKER LIGHT	10	284	K99	DO NOT PRESAT ELEMENT (OPT)	11	383
B90	BATTERY	3	9	DS202	EXTERIOR MARKER LIGHT	10	284	K100	DO NOT PRESAT ELEMENT (OPT)	11	383
B91	BATTERY	3	9	DS203	EXTERIOR MARKER LIGHT	10	284	K101	DO NOT PRESAT ELEMENT (OPT)	11	383
B92	BATTERY	3	9	DS204	EXTERIOR MARKER LIGHT	10	284	K102	DO NOT PRESAT ELEMENT (OPT)	11	383
B93	BATTERY	3	9	DS205	EXTERIOR MARKER LIGHT	10	284	K103	DO NOT PRESAT ELEMENT (OPT)	11	383
B94	BATTERY	3	9	DS206	EXTERIOR MARKER LIGHT	10	284	K104	DO NOT PRESAT ELEMENT (OPT)	11	383
B95	BATTERY	3	9	DS207	EXTERIOR MARKER LIGHT	10	284	K105	DO NOT PRESAT ELEMENT (OPT)	11	383
B96	BATTERY	3	9	DS208	EXTERIOR MARKER LIGHT	10	284	K106	DO NOT PRESAT ELEMENT (OPT)	11	383
B97	BATTERY	3	9	DS209	EXTERIOR MARKER LIGHT	10	284	K107	DO NOT PRESAT ELEMENT (OPT)	11	383
B98	BATTERY	3	9	DS210	EXTERIOR MARKER LIGHT	10	284	K108	DO NOT PRESAT ELEMENT (OPT)	11	383
B99	BATTERY	3	9	DS211	EXTERIOR MARKER LIGHT	10	284	K109	DO NOT PRESAT ELEMENT (OPT)	11	383
B100	BATTERY	3	9	DS212	EXTERIOR MARKER LIGHT	10	284	K110	DO NOT PRESAT ELEMENT (OPT)	11	383
B101	BATTERY	3	9	DS213	EXTERIOR MARKER LIGHT	10	284	K111	DO NOT PRESAT ELEMENT (OPT)	11	383
B102	BATTERY	3	9	DS214	EXTERIOR MARKER LIGHT	10	284	K112	DO NOT PRESAT ELEMENT (OPT)	11	383
B103	BATTERY	3	9	DS215	EXTERIOR MARKER LIGHT	10	284	K113	DO NOT PRESAT ELEMENT (OPT)	11	383
B104	BATTERY	3	9	DS216	EXTERIOR MARKER LIGHT	10	284	K114	DO NOT PRESAT ELEMENT (OPT)	11	383
B105	BATTERY	3	9	DS217	EXTERIOR MARKER LIGHT	10	284	K115	DO NOT PRESAT ELEMENT (OPT)	11	383
B106	BATTERY	3	9	DS218	EXTERIOR MARKER LIGHT	10	284	K116	DO NOT PRESAT ELEMENT (OPT)	11	383
B107	BATTERY										



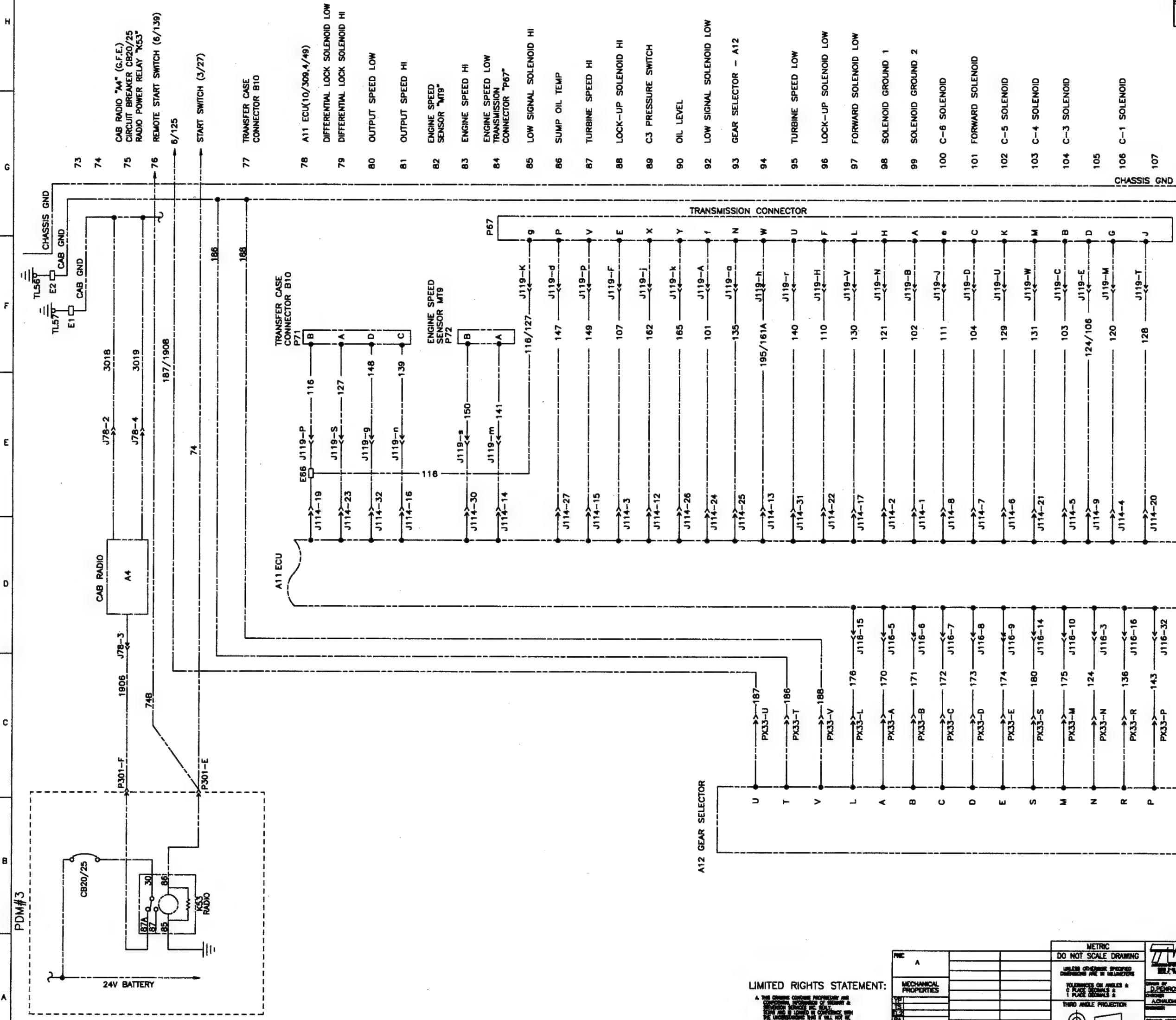




LIMITED RIGHTS STATEMENT:

A. THE DESIGN, CONSTRUCTION, MANUFACTURE, AND USE OF THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
THIRD ANGLE PROJECTION		APC30423	
DRAWN BY: FMTVA1R		DATE: 2008-09-02	
CHECKED BY: FMTVA1R		DATE: 2008-09-02	
APPROVED BY: FMTVA1R		DATE: 2008-09-02	
SCALE: NONE		SHEET: 4	



ZONE REV		REVISIONS	DATE/REV-NO-01	APPROVED
-	-	- INITIAL RELEASE -		
-	-	- PRODUCT BASELINE		
-	-	- ECD10374		

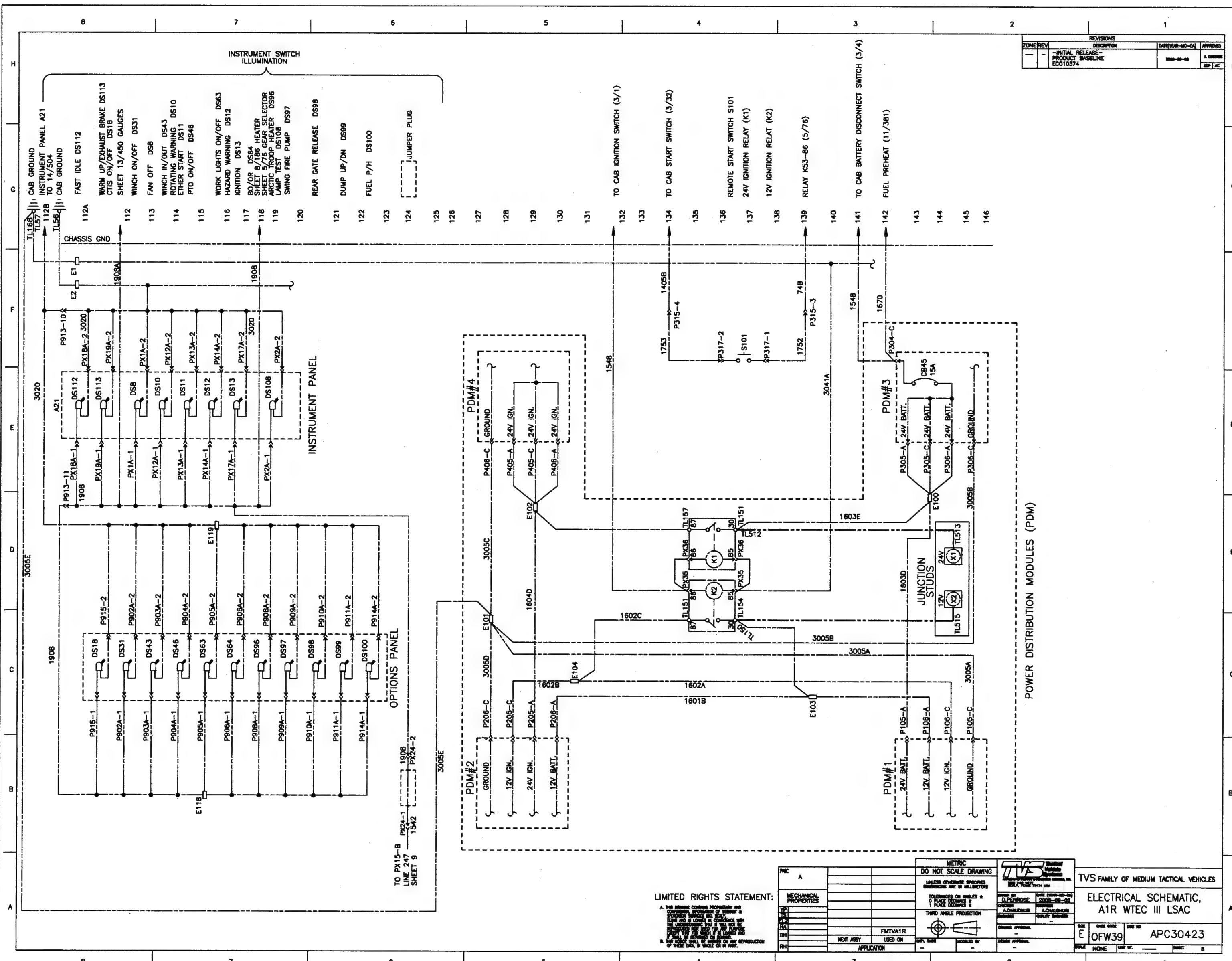
LIMITED RIGHTS STATEMENT:

A. THE DESIGN, CONSTRUCTION, MANUFACTURE, ASSEMBLY, OPERATION, MAINTENANCE, REPAIR, AND DISPOSAL OF THIS PRODUCT ARE THE PROPERTY OF THE U.S. GOVERNMENT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

PNC A		METRIC		DO NOT SCALE DRAWING	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED		DIMENSIONS ON ANGLES & 0 PLACE DIMENSIONS	
TYP		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION	
MATERIAL		FMTVAIR		FMTVAIR	
FINISH		NEXT ASSY		USED ON	
APP		APPLICATION		APPLICATION	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
DATE	01/01/01
REV	01
APP	01
DESIGN	01
DATE	01/01/01
REV	01
APP	01
DESIGN	01
DATE	01/01/01
REV	01
APP	01
DESIGN	01

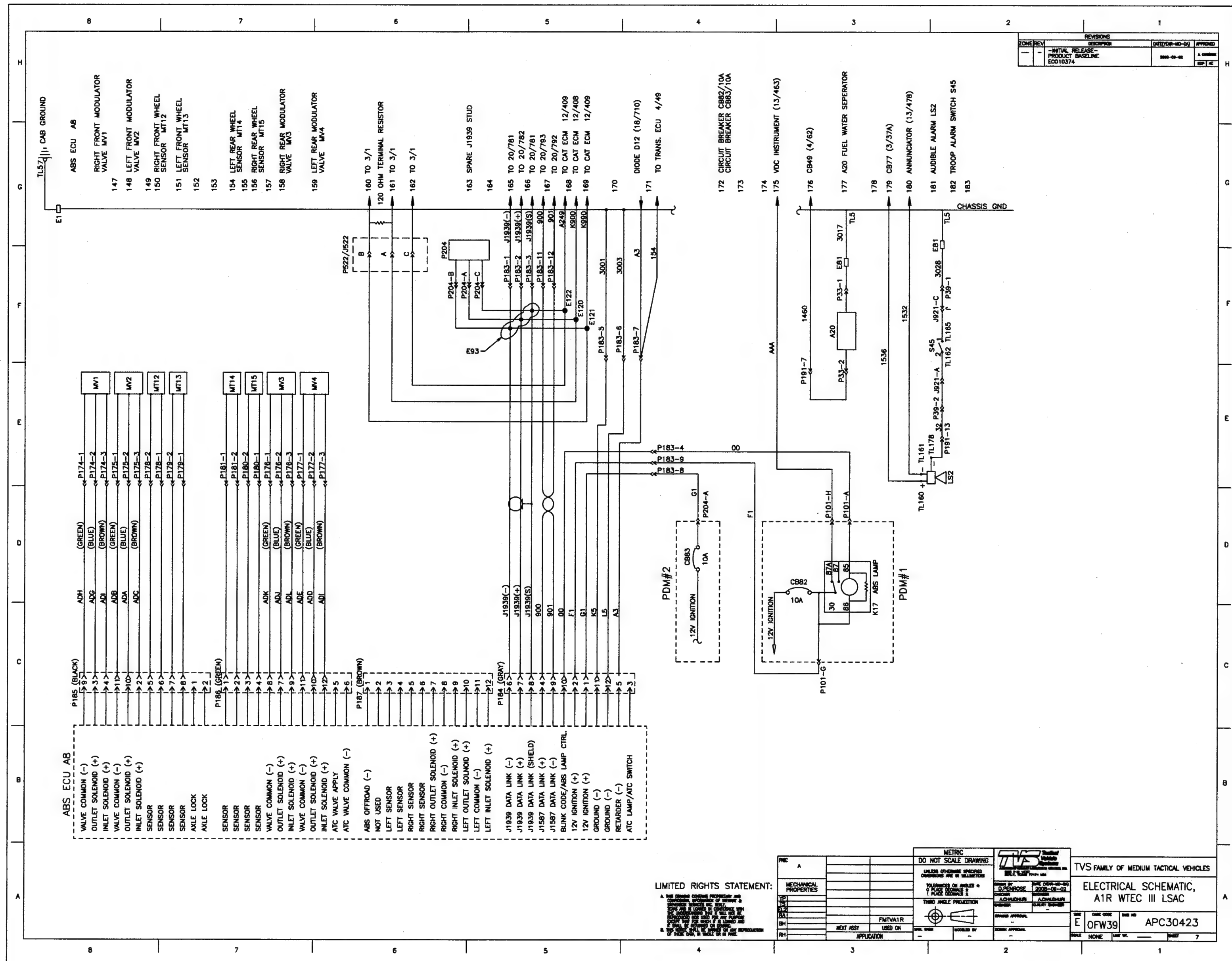


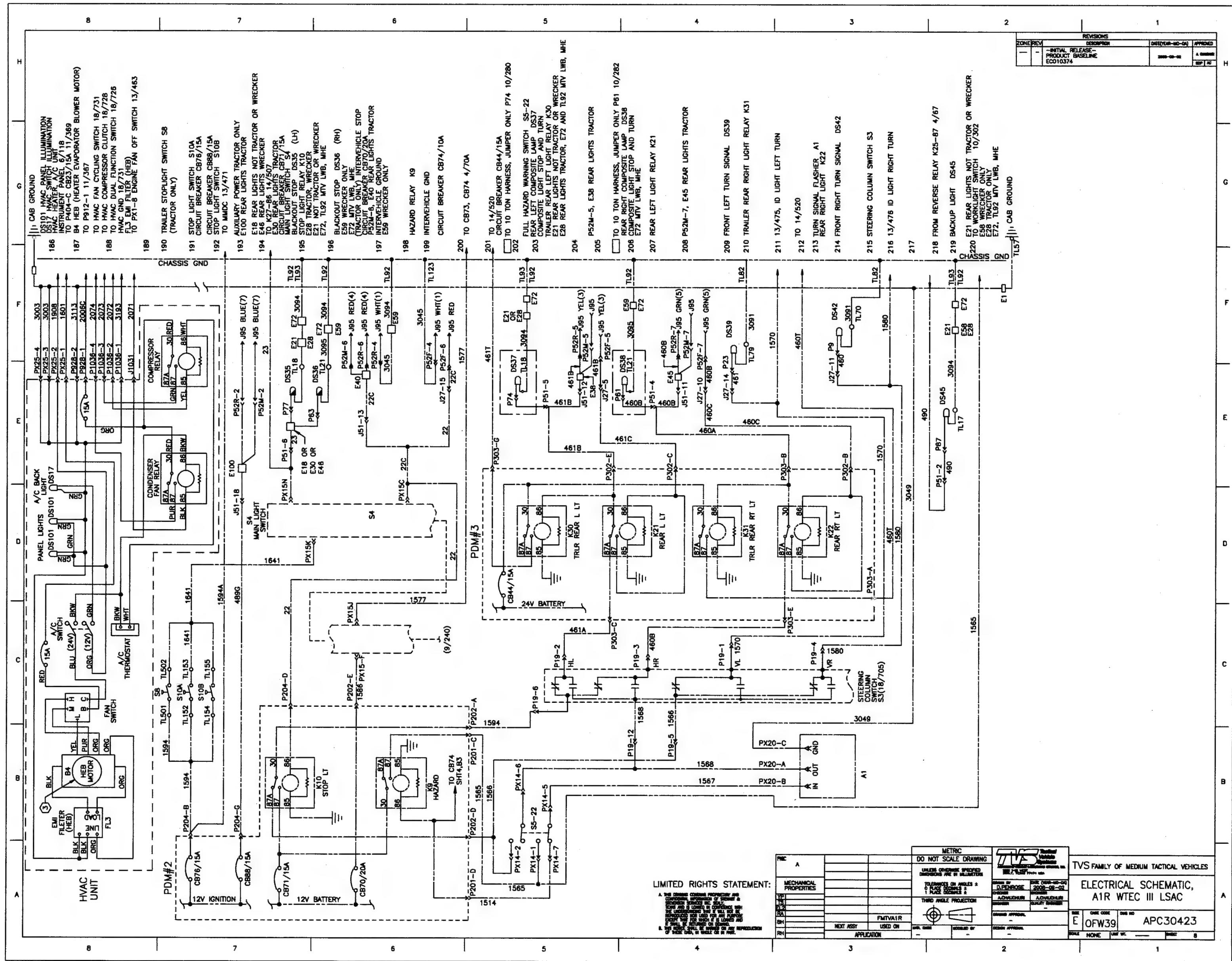


REVISIONS		DATE/REV-NO-ON	APPROVED
ZONE/REV	DESCRIPTION		
1	INITIAL RELEASE	2008-08-02	A. GUNTER
2	PRODUCT BASELINE		
3	ECO10374		

LIMITED RIGHTS STATEMENT:  
A. THE DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF THE U.S. GOVERNMENT AND IS LOANED TO YOUR AGENCY FOR USE ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.  
B. IF YOU ARE NOT A U.S. GOVERNMENT AGENCY, YOU ARE NOT TO REPRODUCE OR TRANSMIT THIS DRAWING IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
TOLERANCES ON DIMENSIONS: 1 PLACE DECIMALS 2 PLACE DECIMALS 3 PLACE DECIMALS		DATE: 2008-08-02 DRAWN: D. F. GUNTER CHECKED: A. GUNTER APPROVED: A. GUNTER	
THIRD ANGLE PROJECTION		SCALE: NONE UNIT: INCHES SHEET: 8	
NEXT ASSY USED ON		E OFW39 APC30423	
APPLICATION			





REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YY-MM-DD)
1	1	INITIAL RELEASE - PRODUCT BASELINE	2009-09-01
1	2	ECO10374	SEP 02

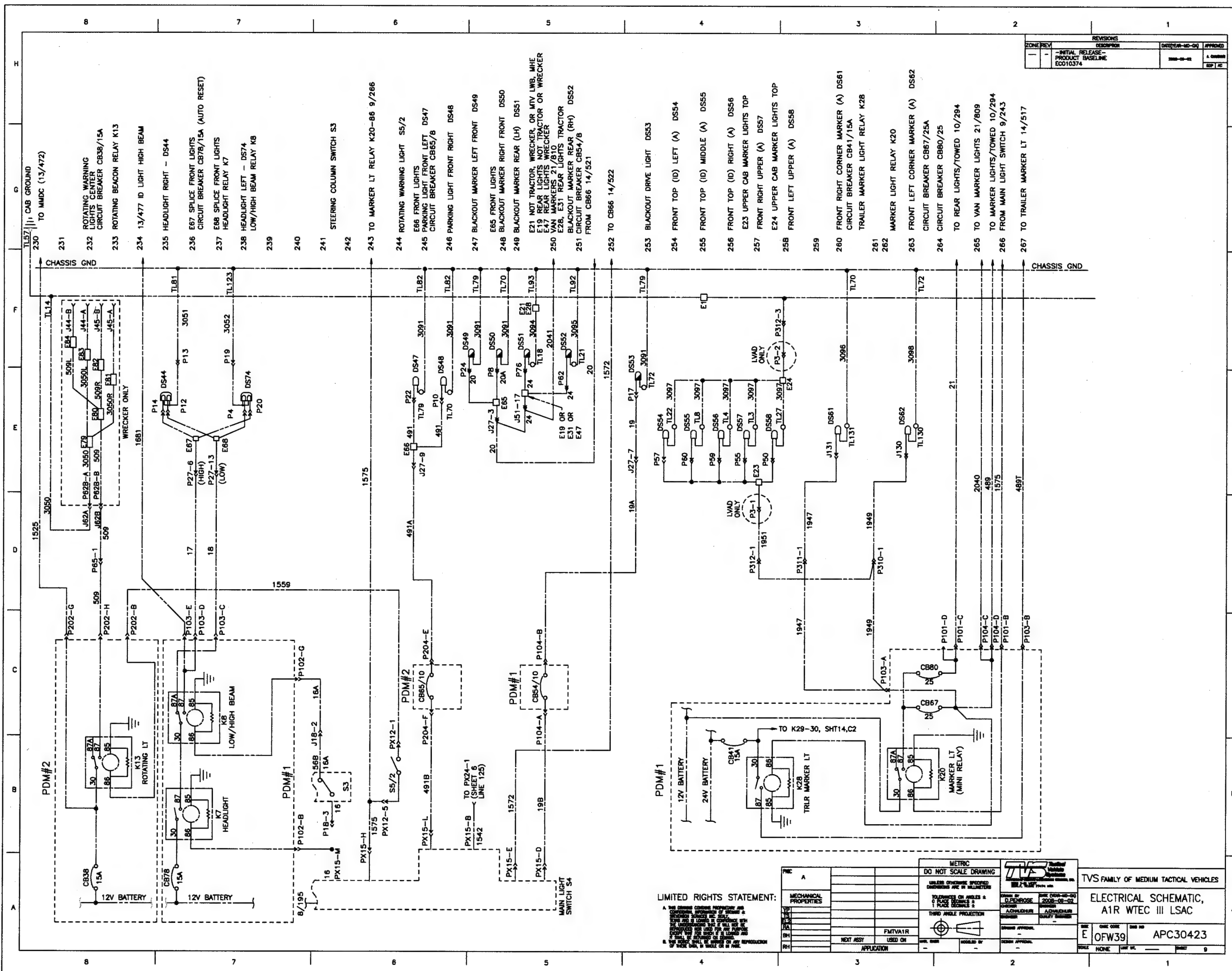
LIMITED RIGHTS STATEMENT:

A. THIS DOCUMENT CONTAINS PROPRIETARY AND UNCLASSIFIED INFORMATION OF THE U.S. GOVERNMENT. IT IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS LOANED TO YOUR AGENCY/ORGANIZATION. IT AND ITS CONTENTS ARE NOT TO BE DISTRIBUTED OUTSIDE YOUR AGENCY/ORGANIZATION. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED BY YOUR AGENCY/ORGANIZATION. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

FIG. A	METRIC	DO NOT SCALE DRAWING
MECHANICAL PROPERTIES	UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN MILLIMETERS
1. MATERIAL	1. TOLERANCES ON ANGLES	1. RADIUS DIMENSIONS
2. FINISH	2. SURFACE FINISH	2. SURFACE FINISH
3. TREATMENT	3. TREATMENT	3. TREATMENT
4. MARKING	4. MARKING	4. MARKING
5. INSPECTION	5. INSPECTION	5. INSPECTION
6. TESTING	6. TESTING	6. TESTING
7. PACKAGING	7. PACKAGING	7. PACKAGING
8. STORAGE	8. STORAGE	8. STORAGE
9. SHIPMENT	9. SHIPMENT	9. SHIPMENT
10. UNLOADING	10. UNLOADING	10. UNLOADING
11. HANDLING	11. HANDLING	11. HANDLING
12. MAINTENANCE	12. MAINTENANCE	12. MAINTENANCE
13. REPAIR	13. REPAIR	13. REPAIR
14. DISPOSAL	14. DISPOSAL	14. DISPOSAL

TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
ELECTRICAL SCHEMATIC, AIR WTEC III LSAC	
REV. 1	ONE CODE
REV. 2	ONE CODE
REV. 3	ONE CODE
REV. 4	ONE CODE
REV. 5	ONE CODE
REV. 6	ONE CODE
REV. 7	ONE CODE
REV. 8	ONE CODE
REV. 9	ONE CODE
REV. 10	ONE CODE
REV. 11	ONE CODE
REV. 12	ONE CODE
REV. 13	ONE CODE
REV. 14	ONE CODE
REV. 15	ONE CODE
REV. 16	ONE CODE
REV. 17	ONE CODE
REV. 18	ONE CODE
REV. 19	ONE CODE
REV. 20	ONE CODE
REV. 21	ONE CODE
REV. 22	ONE CODE
REV. 23	ONE CODE
REV. 24	ONE CODE
REV. 25	ONE CODE
REV. 26	ONE CODE
REV. 27	ONE CODE
REV. 28	ONE CODE
REV. 29	ONE CODE
REV. 30	ONE CODE
REV. 31	ONE CODE
REV. 32	ONE CODE
REV. 33	ONE CODE
REV. 34	ONE CODE
REV. 35	ONE CODE
REV. 36	ONE CODE
REV. 37	ONE CODE
REV. 38	ONE CODE
REV. 39	ONE CODE
REV. 40	ONE CODE
REV. 41	ONE CODE
REV. 42	ONE CODE
REV. 43	ONE CODE
REV. 44	ONE CODE
REV. 45	ONE CODE
REV. 46	ONE CODE
REV. 47	ONE CODE
REV. 48	ONE CODE
REV. 49	ONE CODE
REV. 50	ONE CODE
REV. 51	ONE CODE
REV. 52	ONE CODE
REV. 53	ONE CODE
REV. 54	ONE CODE
REV. 55	ONE CODE
REV. 56	ONE CODE
REV. 57	ONE CODE
REV. 58	ONE CODE
REV. 59	ONE CODE
REV. 60	ONE CODE
REV. 61	ONE CODE
REV. 62	ONE CODE
REV. 63	ONE CODE
REV. 64	ONE CODE
REV. 65	ONE CODE
REV. 66	ONE CODE
REV. 67	ONE CODE
REV. 68	ONE CODE
REV. 69	ONE CODE
REV. 70	ONE CODE
REV. 71	ONE CODE
REV. 72	ONE CODE
REV. 73	ONE CODE
REV. 74	ONE CODE
REV. 75	ONE CODE
REV. 76	ONE CODE
REV. 77	ONE CODE
REV. 78	ONE CODE
REV. 79	ONE CODE
REV. 80	ONE CODE
REV. 81	ONE CODE
REV. 82	ONE CODE
REV. 83	ONE CODE
REV. 84	ONE CODE
REV. 85	ONE CODE
REV. 86	ONE CODE
REV. 87	ONE CODE
REV. 88	ONE CODE
REV. 89	ONE CODE
REV. 90	ONE CODE
REV. 91	ONE CODE
REV. 92	ONE CODE
REV. 93	ONE CODE
REV. 94	ONE CODE
REV. 95	ONE CODE
REV. 96	ONE CODE
REV. 97	ONE CODE
REV. 98	ONE CODE
REV. 99	ONE CODE
REV. 100	ONE CODE

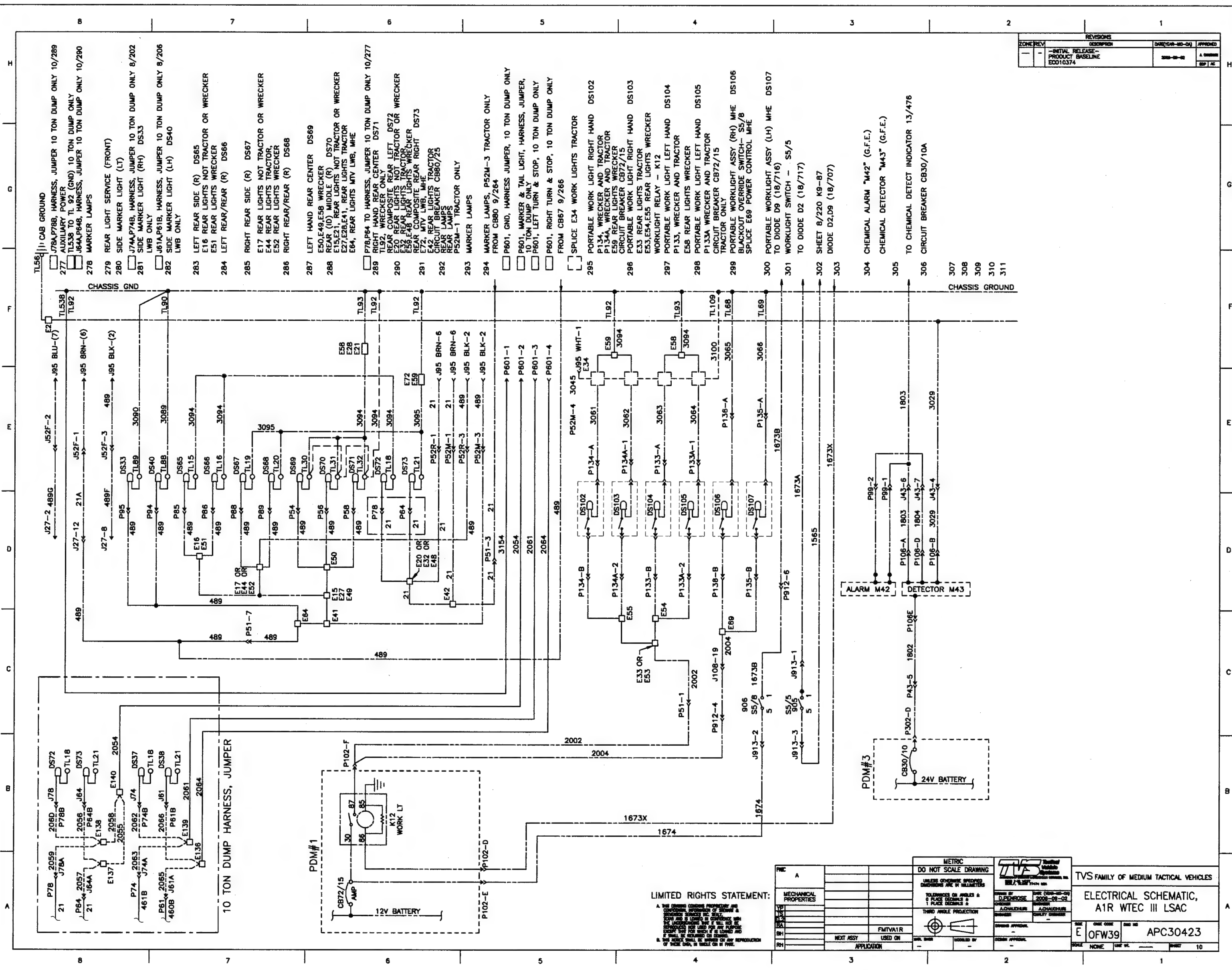




REVISIONS		DATE/REV	APPROVED
1	INITIAL RELEASE	2008-08-01	A. CHEN
2	PRODUCT BASELINE		
3	ECO10374		

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND UNCLASSIFIED INFORMATION THAT IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS LOANED TO YOUR AGENCY FOR OFFICIAL USE ONLY. IT IS TO BE RETURNED TO THE U.S. GOVERNMENT AND NOT BE REPRODUCED OR DISCLOSED TO ANY OTHER AGENCY OR INDIVIDUAL WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE U.S. GOVERNMENT.

METRIC DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
THIRD ANGLE PROJECTION		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
DATE: 2008-08-01 BY: D. F. ROSE CHECKED: J. L. ROSE APPROVED: J. L. ROSE		DATE: 2008-08-01 BY: J. L. ROSE CHECKED: J. L. ROSE APPROVED: J. L. ROSE	
PART: FMTVA1R NEXT ASSY: USED ON		SHEET: 9 OF: 9	

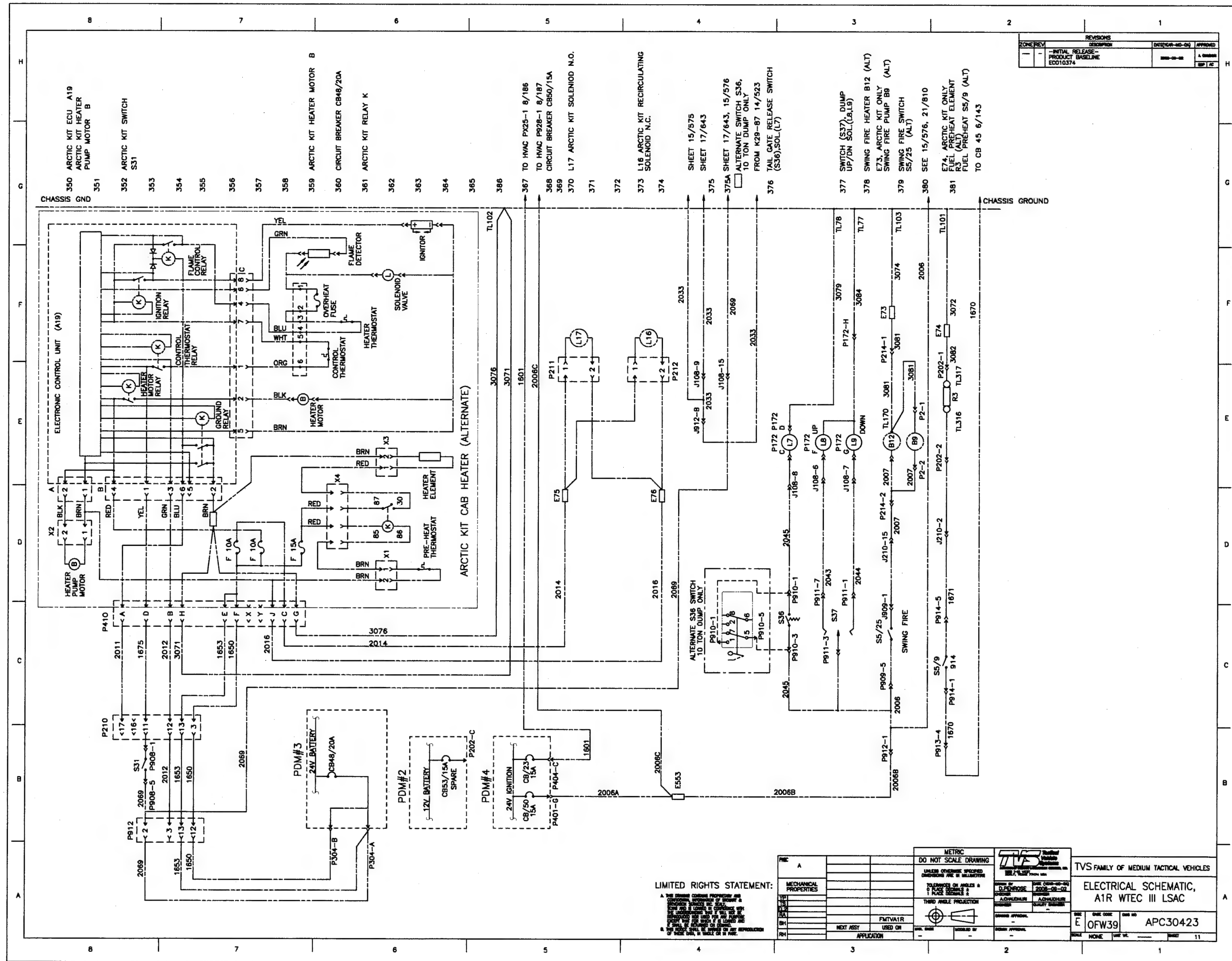


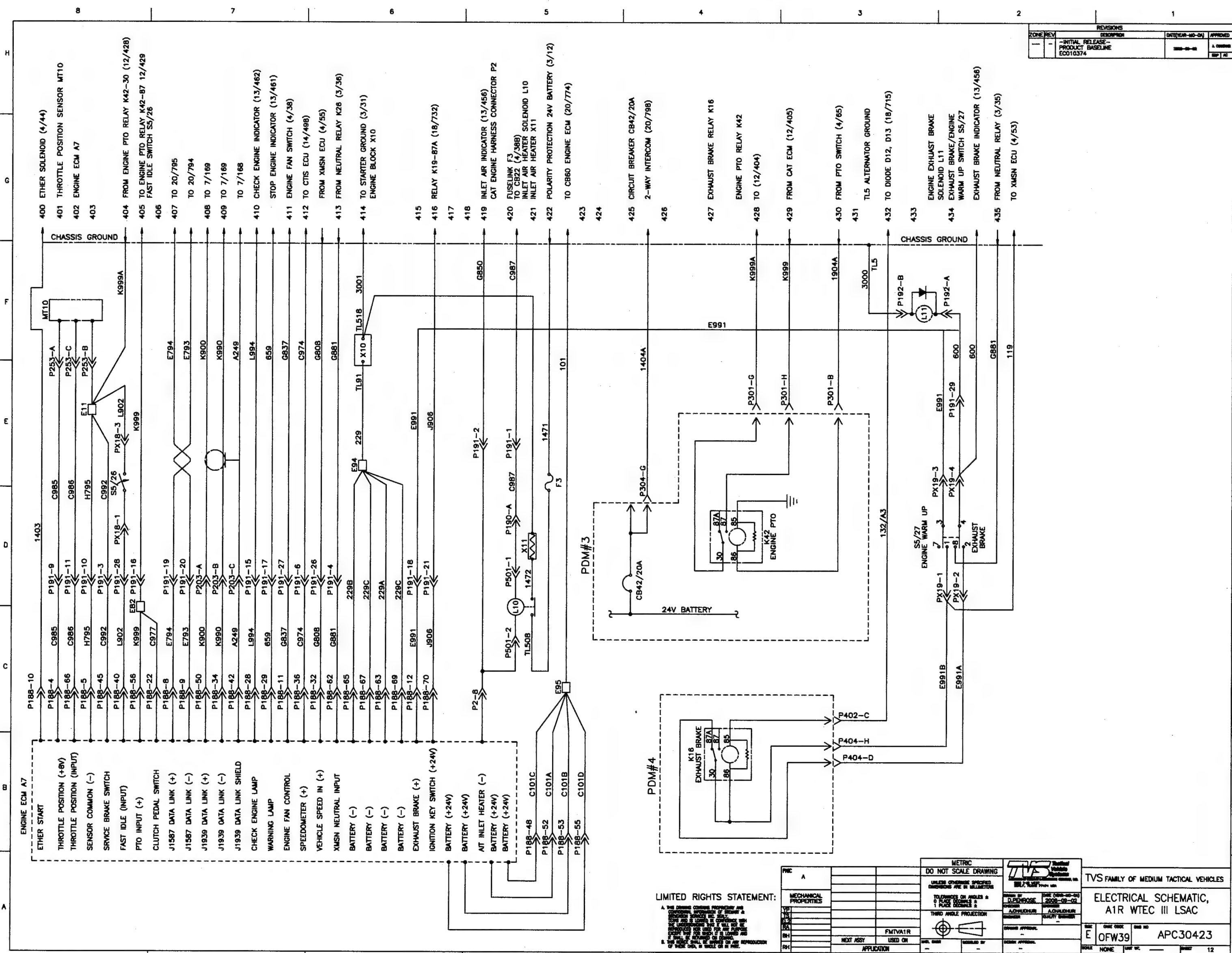
REVISIONS		DATE (DD-MO-YY)	APPROVED
ZONE REV	DESCRIPTION		
1	INITIAL RELEASE - PRODUCT BASELINE E0010374	2008-08-02	A. CHAMBERLAIN

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS TO BE USED FOR THE PURPOSES SPECIFIED THEREIN. IT IS TO BE RETURNED TO THE U.S. GOVERNMENT WHEN NO LONGER NEEDED FOR THE PURPOSES SPECIFIED THEREIN. IT IS TO BE DESTROYED WHEN NO LONGER NEEDED FOR THE PURPOSES SPECIFIED THEREIN. IT IS TO BE DESTROYED WHEN NO LONGER NEEDED FOR THE PURPOSES SPECIFIED THEREIN.

METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
THIRD ANGLE PROJECTION		APC30423	
NEXT ASSY USED ON		SCALE NONE UNIT ML SHEET 10	







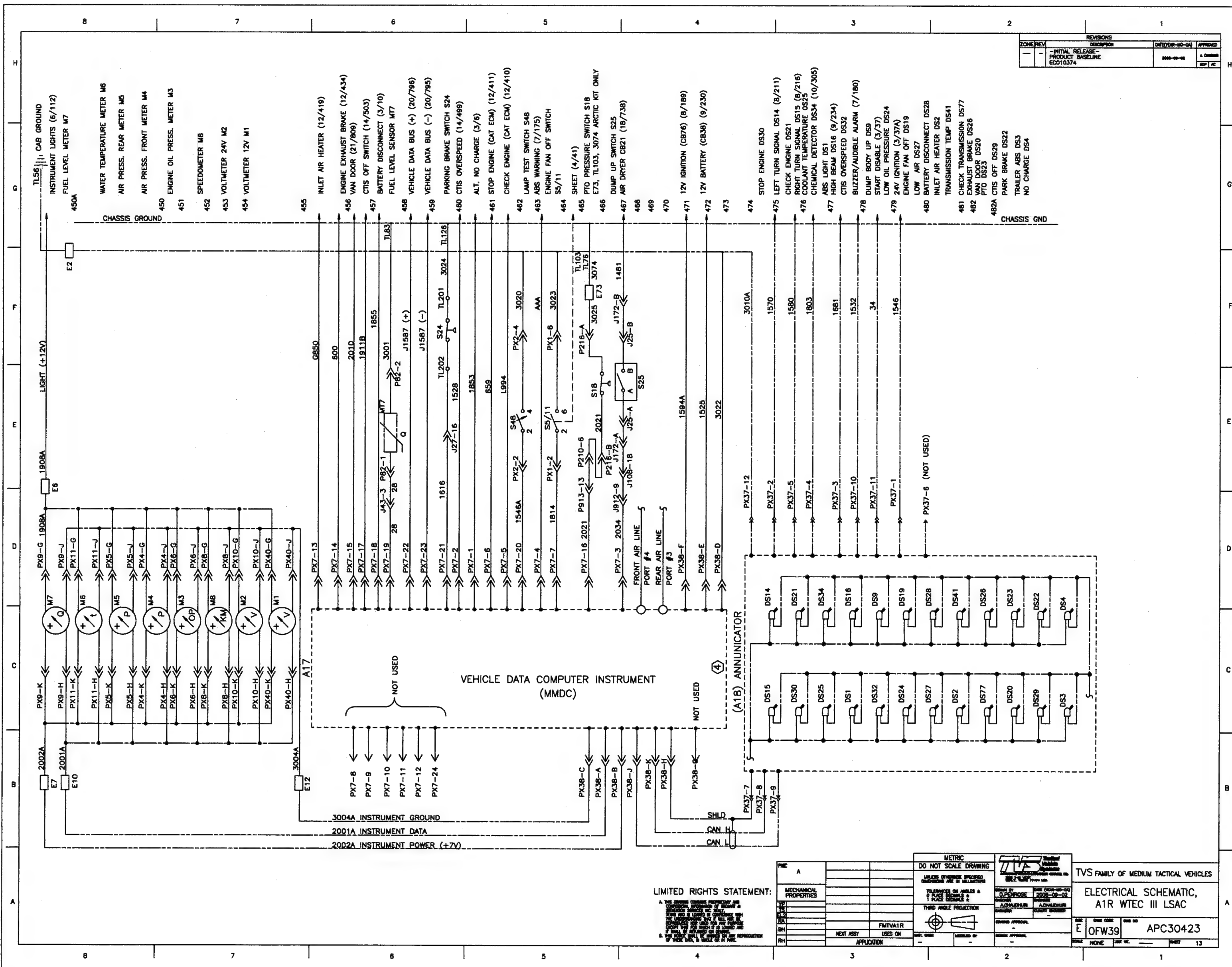
REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YY-MM-DD)
1	1	INITIAL RELEASE	2008-08-02
1	2	PRODUCT BASELINE	2008-08-02
1	3	ECO10374	2008-08-02

LIMITED RIGHTS STATEMENT:

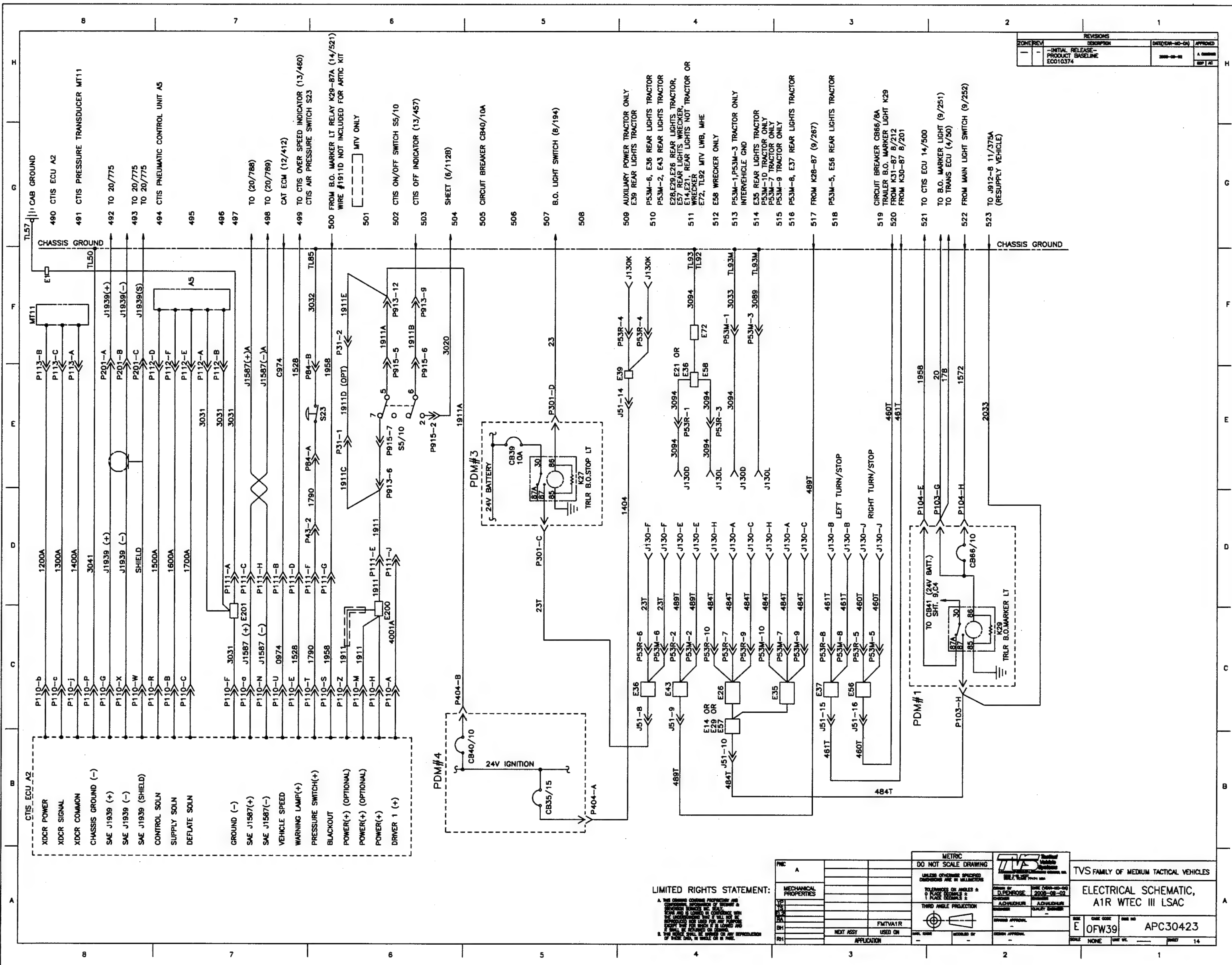
A. THE DESIGN ORIGINATOR HEREBY GRANTS TO THE USER A LIMITED RIGHT TO REPRODUCE AND TRANSMIT THE INFORMATION CONTAINED HEREIN FOR THE USER'S OWN USE ONLY. NO PART OF THIS INFORMATION IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ORIGINATOR.

PRELIMINARY		DO NOT SCALE DRAWING		TVS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DATE OF D.P. APPROVAL		DATE OF D.P. APPROVAL	
DATE		TOLERANCES ON ANGLES & 1 PLACE DECIMALS		APPROVED		APPROVED	
BY		THIRD ANGLE PROJECTION		DATE		DATE	
BY		FMTVA1R		DATE		DATE	
BY		NEXT ASSY		DATE		DATE	
BY		APPLICATION		DATE		DATE	

SIZE	ONE CODE	REV NO
E	OFW39	APC30423
SCALE	NONE	UNIT
		12







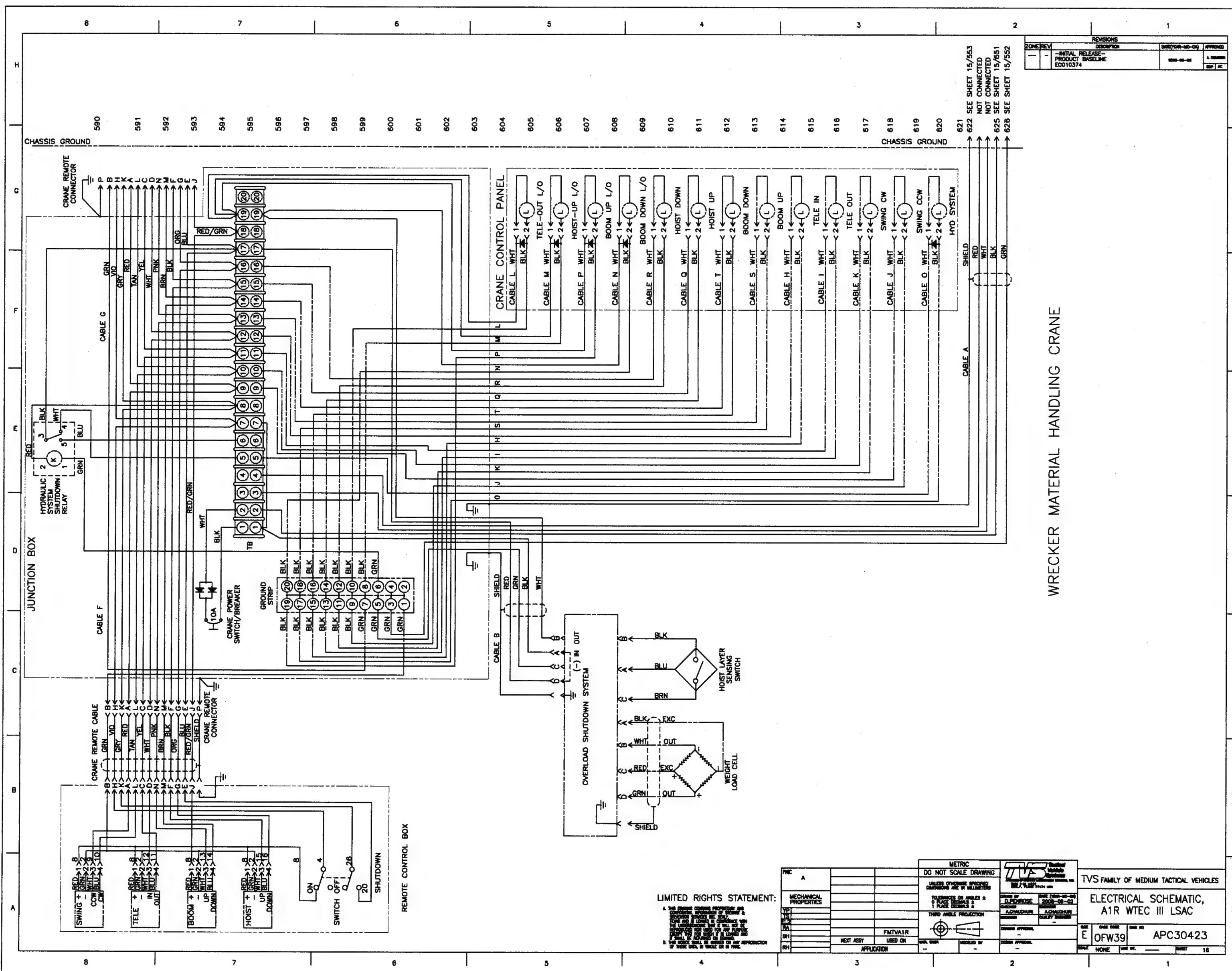
ZONE REV		REVISIONS		DATE/REV-NO-ON		APPROVED	
1	INITIAL RELEASE	2	PRODUCT BASELINE	2008-08-01	1	1	1
2	ECO10374						

LIMITED RIGHTS STATEMENT:  
A. THE DESIGN ORIGINATOR IS THE U.S. GOVERNMENT.  
B. THIS DOCUMENT IS UNCLASSIFIED.  
C. THIS DOCUMENT IS IN THE PUBLIC DOMAIN.  
D. THIS DOCUMENT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

PNC A		METRIC		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		DO NOT SCALE DRAWING		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES ON ANGLES: ± 0.5°		DATE (REV-NO-ON) 2008-08-01	
THIRD ANGLE PROJECTION		BY DISPOSE		DRAWN BY ADVACHUN	
NEXT ASSY USED ON APPLICATION		CHECKED BY ADVACHUN		DATE 2008-08-01	
APPROVED BY		APPROVED BY		DATE 2008-08-01	
SCALE NONE		SHEET NO. 14		PART NO. APC30423	







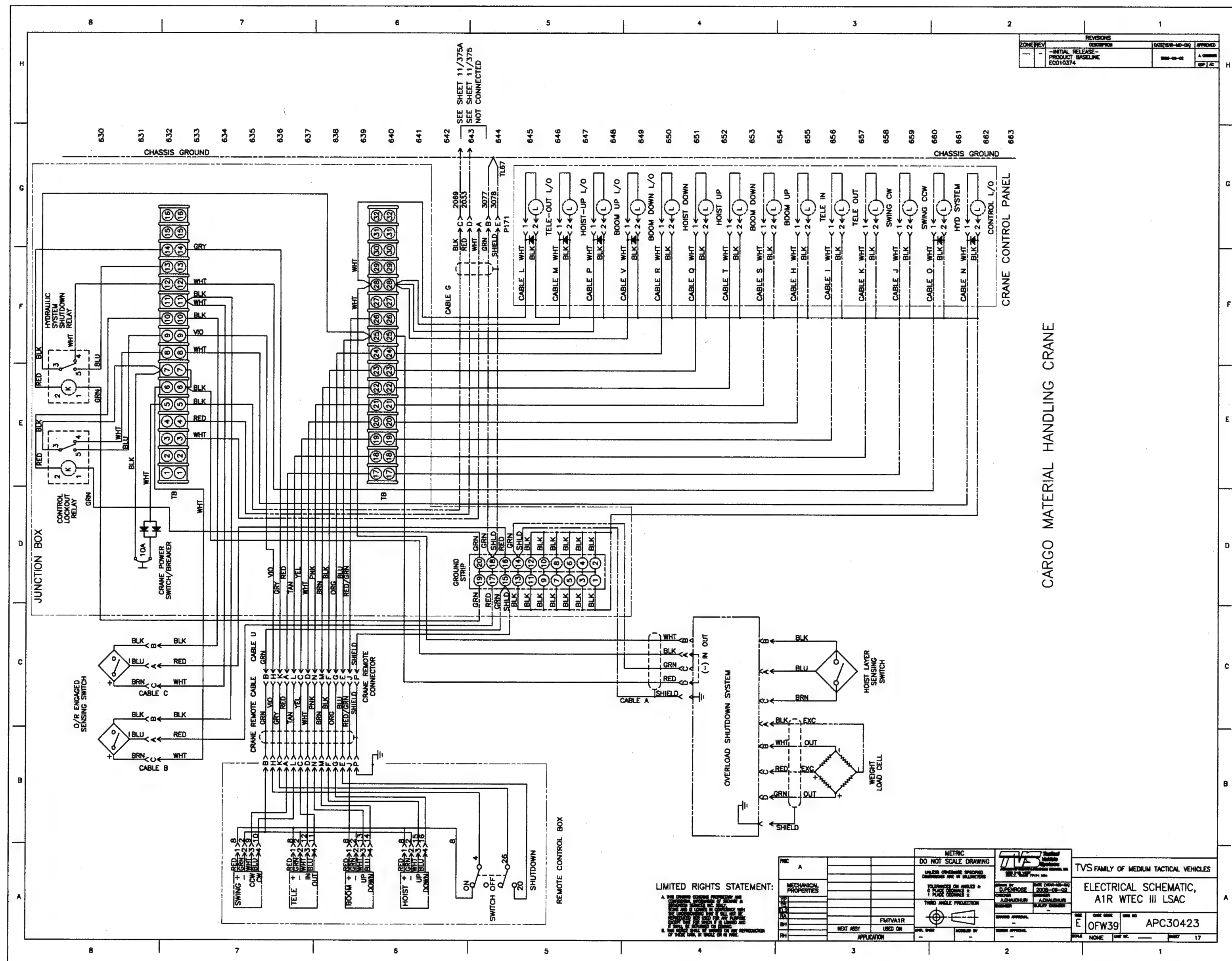
WRECKER MATERIAL HANDLING CRANE

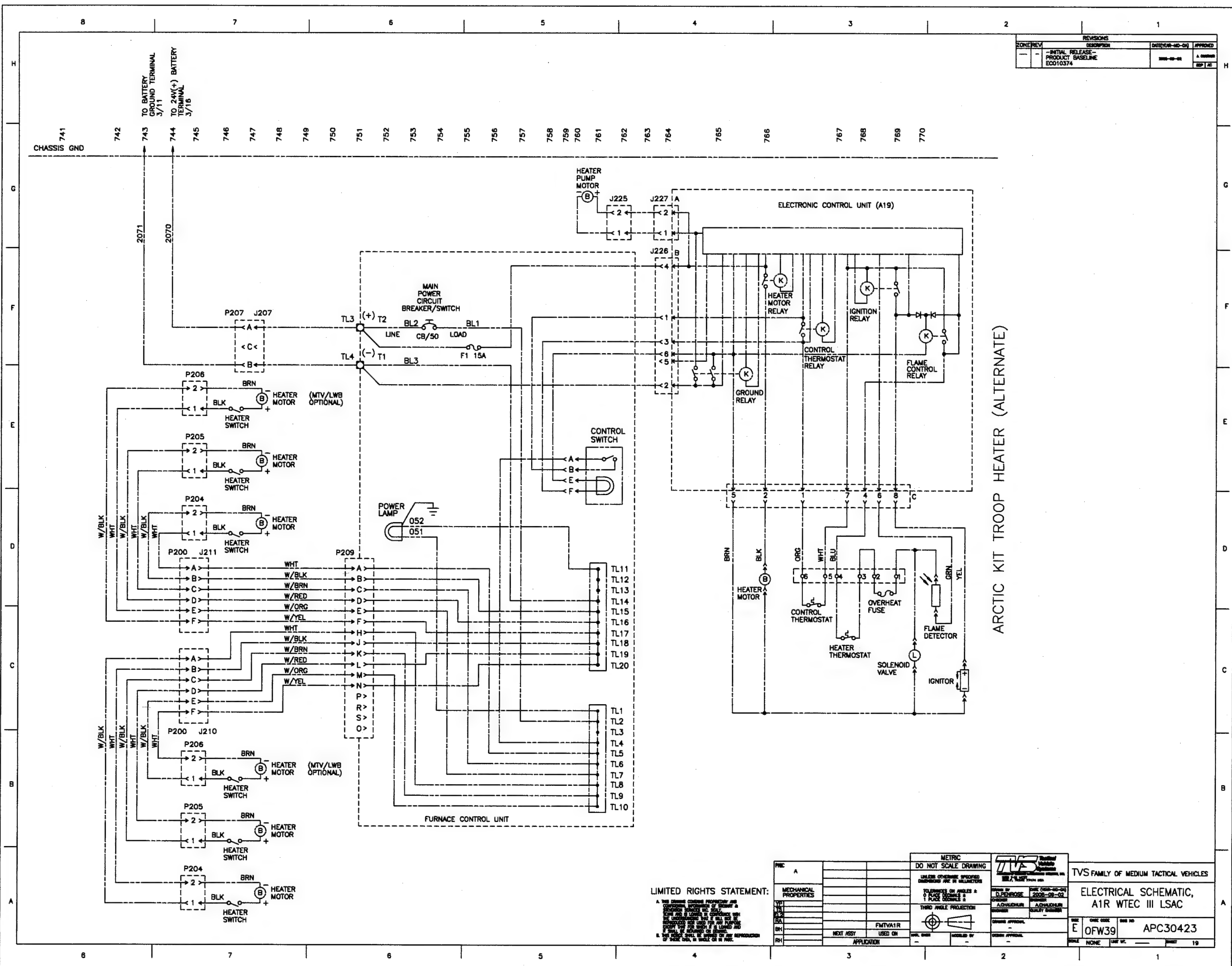
REVISIONS			
ZONE/REV	DESCRIPTION	DATE/APP'D	APPROVED
1	INITIAL RELEASE - PRODUCT BASELINE ECD10374	2008-08-08	EDP AC

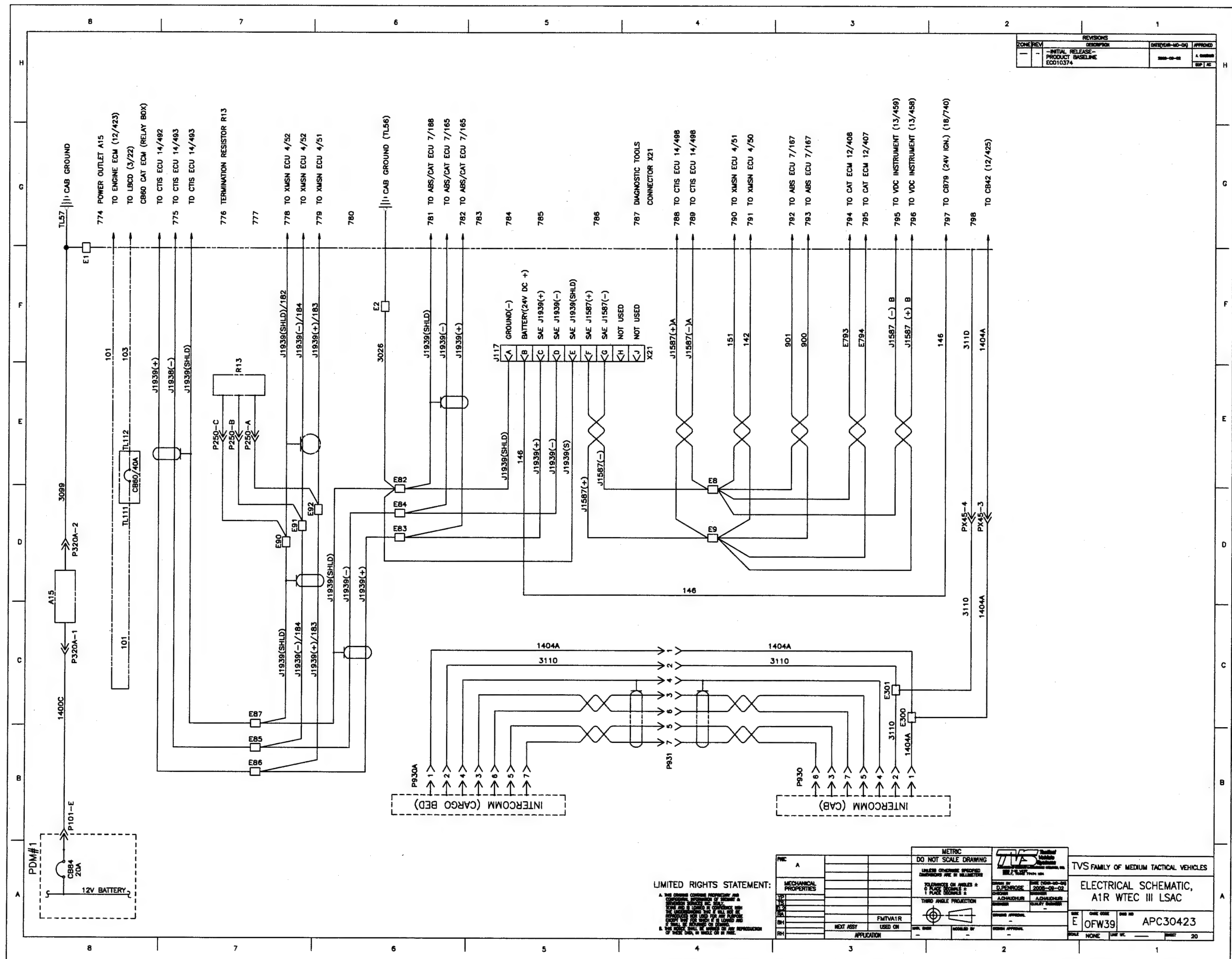
LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY INFORMATION THAT IS UNCLASSIFIED AND CONTROLLED UNDER THE E.O. 11981 EXEMPTION. IT IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS LOANED TO YOUR AGENCY. IT IS TO BE RETURNED TO THE U.S. GOVERNMENT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

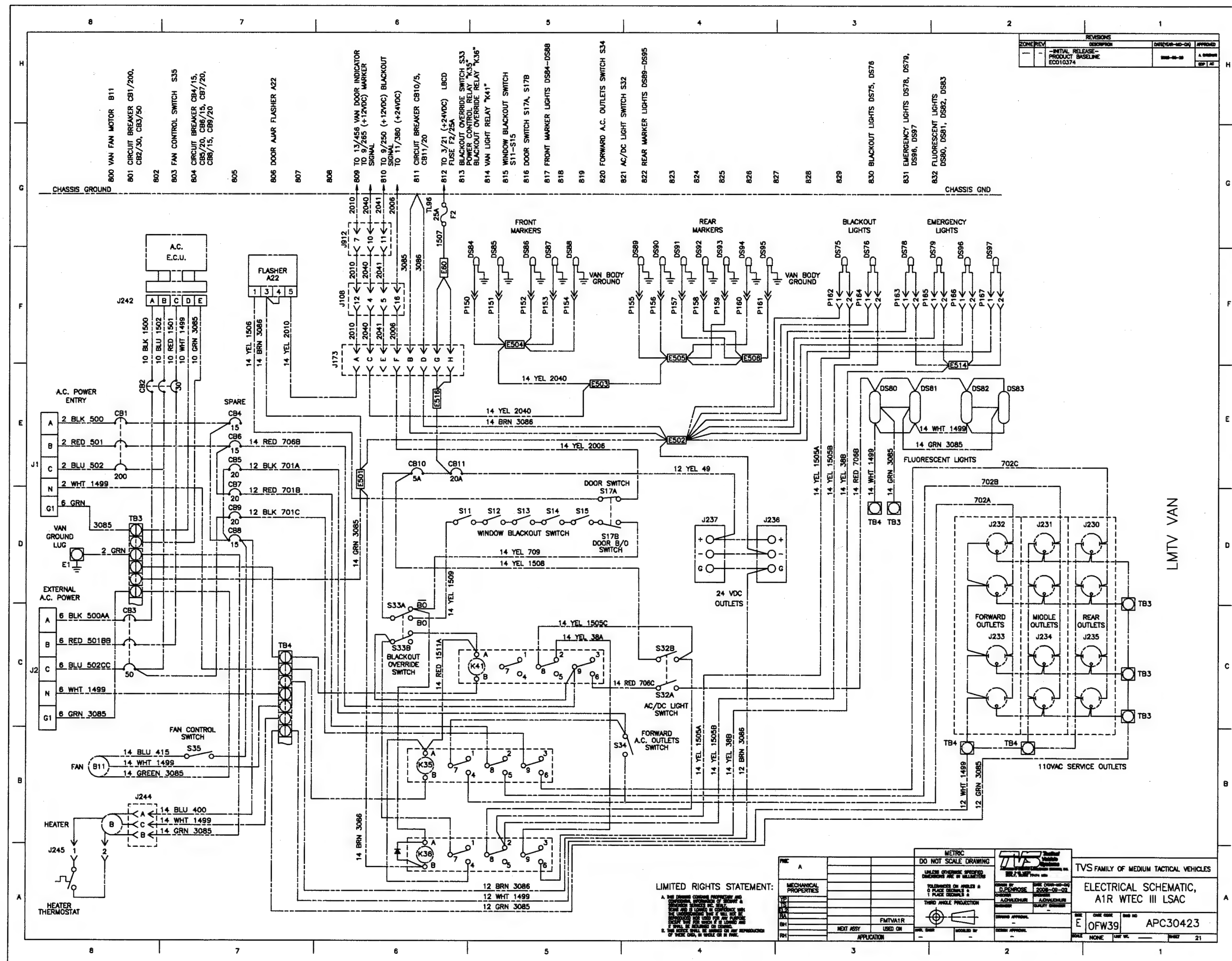
PNC A		METRIC		DO NOT SCALE DRAWING		TVS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		THIRD ANGLE PROJECTION		DRAWN BY: J. D. ROSE		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
NEXT ASSY		USED ON		MODEL BY		CHECKED BY: J. D. ROSE		APC30423	
APPLICATOR		DATE		DATE		DATE		DATE	



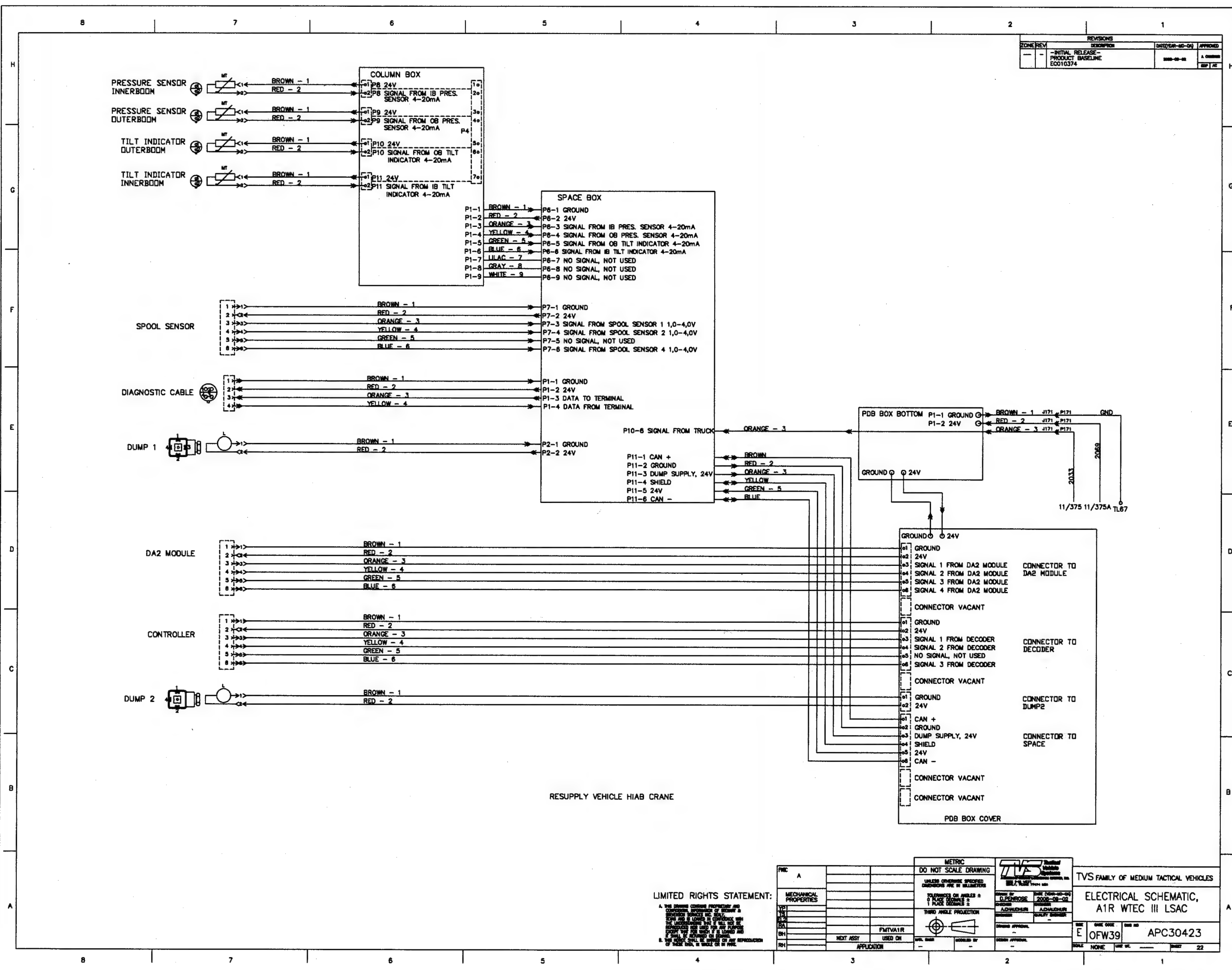


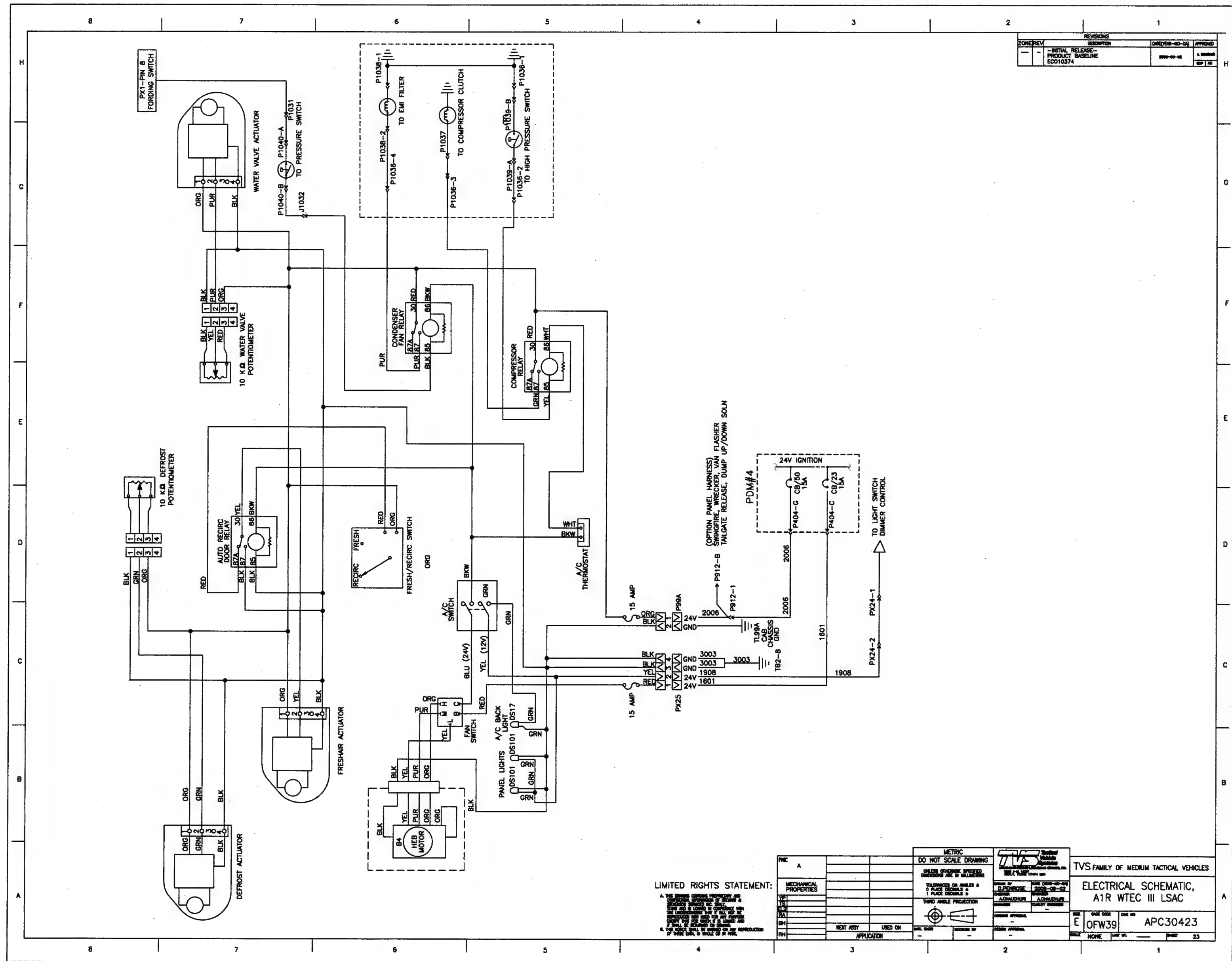












REVISIONS		DATE (YY-MM-DD)		APPROVED	
1	INITIAL RELEASE - PRODUCT BASELINE	2008-09-02		1	AC
2	ECO10374				

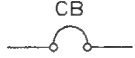

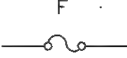


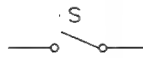
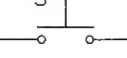
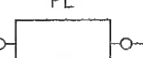



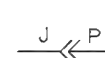

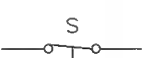
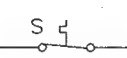







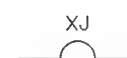




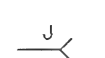

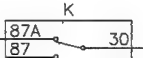


LIMITED RIGHTS STATEMENT:

A. NO OTHER COMPANY, PROPRIETARY AND CONFIDENTIAL INFORMATION IS TO BE RELEASED OR DISCLOSED IN ANY MANNER TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF THE U.S. GOVERNMENT. B. THE U.S. GOVERNMENT SHALL BE GRANTED A NON-EXCLUSIVE, IRREVOCABLE, AND EXCLUSIVE LICENSE TO REPRODUCE, REPRODUCE, AND TRANSMIT THIS DOCUMENT IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE NEED TO OBTAIN PERMISSION FROM THE U.S. GOVERNMENT. C. THIS DOCUMENT IS TO BE USED ONLY FOR THE PURPOSES OF THE U.S. GOVERNMENT AND IS NOT TO BE DISTRIBUTED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF THE U.S. GOVERNMENT.

A		METRIC		TVS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
DO NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		DRAWN BY: D. PERROUSE		DATE: 2008-09-02	
TOLERANCES ON ANGLES: 0 PLACE DECIMALS & 1 PLACE DECIMALS & 2 PLACE DECIMALS		TWO ANGLE PROJECTION		CHECKED BY: A. CHANDLER		DATE: 2008-09-02	
NEXT ASSY		USED ON		DESIGN APPROVAL		ELECTRICAL SCHEMATIC, A1R WTEC III LSAC	
APPLICATION		PART NO.		REV		E OFW39	
		REV		DATE		APC30423	
		REV		DATE		NONE	
		REV		DATE		23	

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS:  
A. ASME Y14.100-2000.  
B. ASME Y14.5M-1994
2. IEEE/ASTM SI 10 SHALL BE USED IN CONVERTING  
AND ROUNDING OFF. 1 INCH=25.4mm APPLIES.
3. B4 HVAC BLOWER POSITIONS  
0 - OFF  
1 - LOW  
2 - MED  
3 - HIGH
4. THE FOLLOWING SIGNALS UTILIZE SAE J1587  
VEHICLE DATA BUS: ENGINE OIL PRESSURE,  
COOLANT TEMPERATURE, ENGINE SPEED (RPM),  
VEHICLE SPEED, VOLTAGE (+24V), CHECK  
TRANSMISSION, TRANSMISSION TEMPERATURE  
AND TRAILER ABS.
5. FOR GENERAL CROSS REFERENCE, THIS  
SCHEMATIC IS DERIVED FROM THE STANDARD  
FMTV ELECTRICAL SCHEMATIC: 12423939.

 CB	 BT	 F	 OPEN CONTACT	 CLOSED CONTACT	 S	 S	 FL
CIRCUIT BREAKER	BATTERY	FUSE	OPEN CONTACT	CLOSED CONTACT	SWITCH	PUSHBUTTON	FILTER
 E	 G	 B	 J P	 TB	 S	 S	 LS
SPLICE	ALTERNATOR	MOTOR	CONNECTOR	TERMINAL BLOCK	PRESSURE SWITCH	TEMPERATURE SWITCH	AUDIBLE ALARM
 K	 DS	 DS	 DS	 DS	 M	 XJ	 D
POWER RELAY	LAMP	LED	DUAL BEAM LAMP	BLACKOUT MARKER	METER OR GAUGE	POWER OR GROUND	DIODE
 OPTION FLAG	 R	 MT	 J P	 CONNECTION	 K	 L	 GROUND
OPTION FLAG	RESISTOR	SENSOR	RECEPTACLE	CONNECTION	RELAY	SOLENOID	GROUND

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND  
CONFIDENTIAL INFORMATION OF STEWART &  
STEWART SERVICES INC. (S&S).  
IT IS LOANED TO YOU IN CONFIDENCE WITH  
THE UNDERSTANDING THAT IT WILL NOT BE  
REPRODUCED OR USED FOR ANY PURPOSE  
EXCEPT THAT FOR WHICH IT IS LOANED AND  
IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION  
OF THESE DATA, IN WHOLE OR IN PART.

PREC	A
MECHANICAL PROPERTIES	
TYPE	
TS	
EL	
BA	
BH	
RH	

APPLICATION	
NEXT ASSY	
USED ON	
DATE ENGR	
MODELED BY	

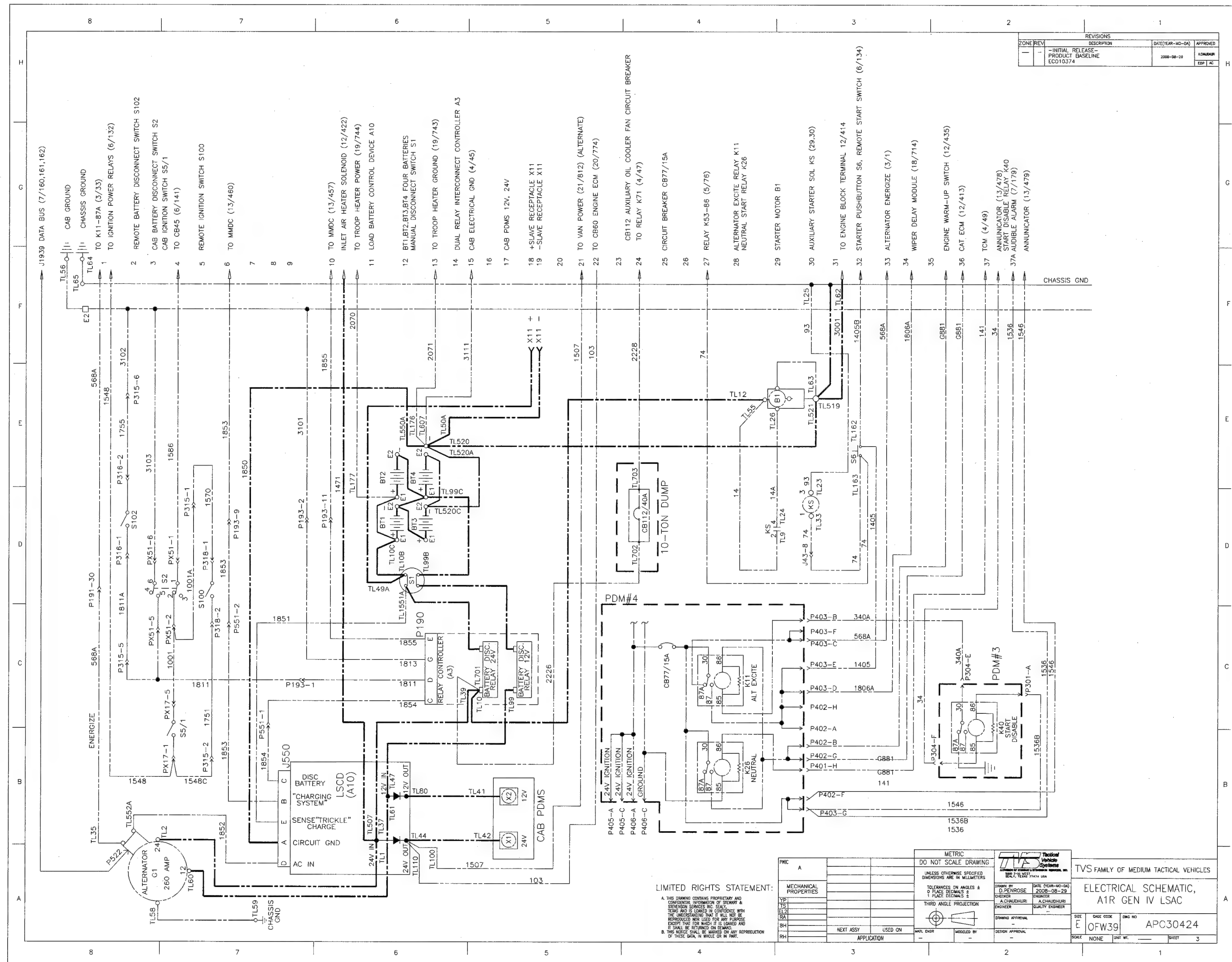
METRIC	
DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES ±	
0 PLACE DECIMALS ±	
1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
APPROVAL	

DATE (YEAR-MO-DA)	2008-08-29
ENGINEER	A. CHAUDHURI
QUALITY ENGINEER	
DESIGN APPROVAL	

SIZE	E
CAGE CODE	OFW39
DWG NO	APC30424
SCALE	NONE
UNIT WT.	
SHEET	1 OF 22

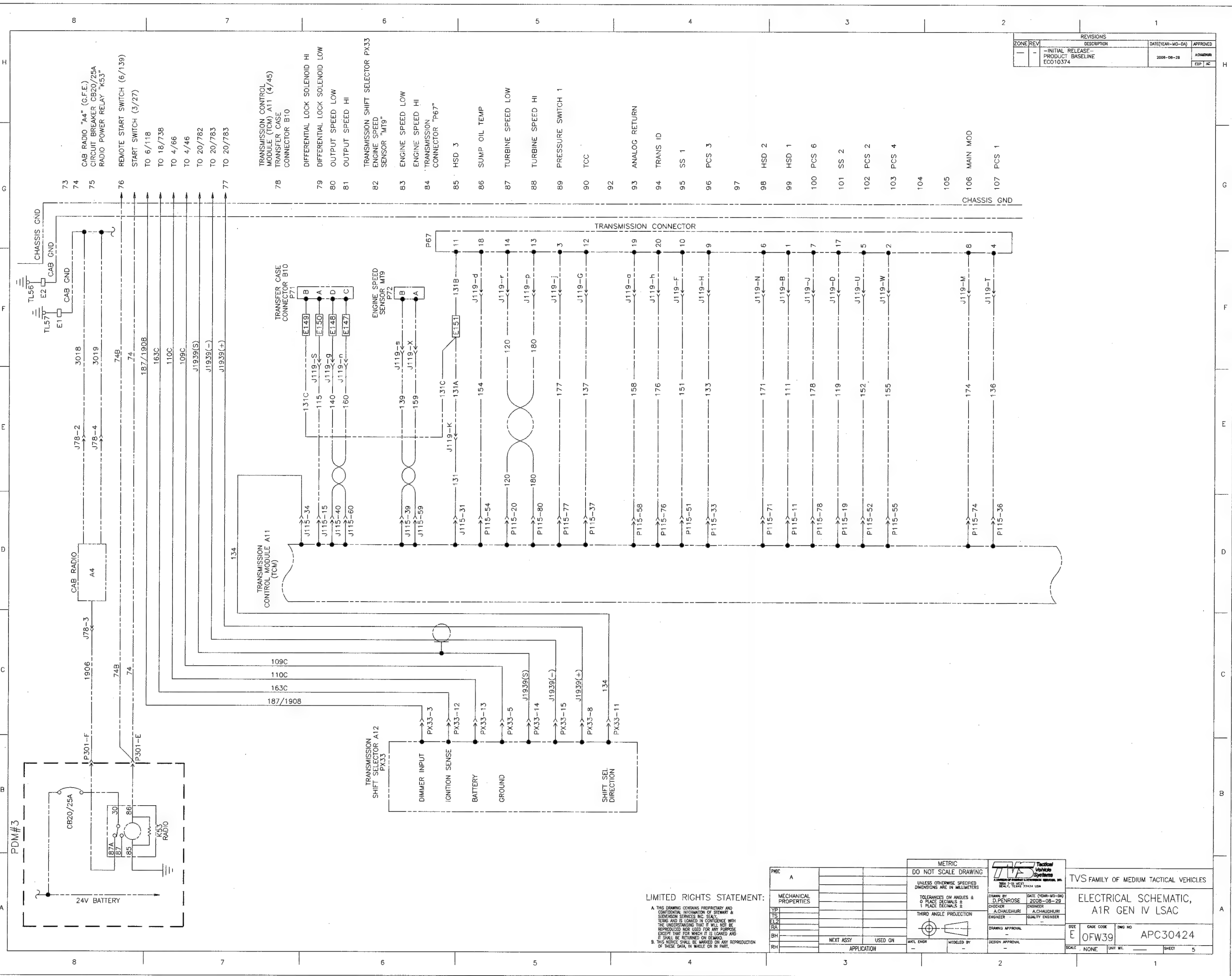
EQUIPMENT LIST REF				EQUIPMENT LIST REF				EQUIPMENT LIST REF				EQUIPMENT LIST REF			
REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION	REFERENCE DESIGNATION	DESCRIPTION	SHEET NUMBER	LOCATION
A1	FLASHER UNIT	8	213	DS66	LEFT REAR/REAR MARKER RED	10	284	E121	SPLICE	7	169	E122	SPLICE	7	168
A2	CENTRAL TIRE INFLATION SYSTEM ECU	14	490	DS67	RIGHT SIDE REAR MARKER RED	10	285	E123	SPLICE	7	168	E124	SPLICE	10	283
A3	DUAL RELAY INTERCONNECT CONTROL	5	75	DS68	REAR (ID) LEFT RED	10	287	E125	SPLICE	10	279	E126	SPLICE	10	283
A4	CAB RADIO (GFE)	5	75	DS69	REAR (ID) MIDDLE RED	10	288	E127	SPLICE	10	283	E128	SPLICE	10	280
A5	CTIS PNEUMATIC CONTROL UNIT	14	495	DS70	REAR (ID) RIGHT	10	289	E129	SPLICE	10	280	E130	SPLICE	18	739
A7	ENGINE ECM	12	402	DS71	REAR COMPOSITE MARKER LEFT	10	277,290	E131	SPLICE	5	81	E132	SPLICE	5	80
A8	ABS ECU	3	147	DS72	REAR COMPOSITE MARKER RIGHT	10	277,291	E133	SPLICE	5	79	E134	SPLICE	5	85
A10	LOAD BATTERY CONTROL DEVICE (LBCD)	3	11	DS73	CHECK TRANSMISSION	21	832	E135	SPLICE	20	776	E136	SPLICE	20	776
A11	TRANSMISSION CONTROL MODULE (TCM)	4,5	44,78	DS74	HEADLIGHT LEFT	9	238	E137	SPLICE	20	776	E138	SPLICE	20	776
A12	TRANSMISSION SHIFT SELECTOR	5	82	DS75	BLACKOUT LIGHTS (VAN)	21	829	E139	SPLICE	20	782	E140	SPLICE	20	781
A15	POWER OUTLET	20	774	DS76	BLACKOUT LIGHTS (VAN)	21	830	E141	SPLICE	20	781	E142	SPLICE	20	788
A17	VEHICLE DATA COMPUTER INSTRUMENT	13	435	DS77	EMERGENCY LIGHTS (VAN)	21	831	E143	SPLICE	20	798	E144	SPLICE	14	502
A18	INDICATOR PANEL/ ANNUNCIATOR	13	474	DS78	EMERGENCY LIGHTS (VAN)	21	832	E145	SPLICE	21	815,820	E146	SPLICE	21	823
A19	ARCTIC KIT ECU	11,19	350,788	DS79	EMERGENCY LIGHTS (VAN)	21	832	E147	SPLICE	21	823	E148	SPLICE	21	826
A20	FUEL WATER SEPARATOR	7	177	DS80	INTERIOR LIGHT, FLUORESCENT	21	832	E149	SPLICE	21	832	E150	SPLICE	21	812
A21	INSTRUMENT PANEL	6	112	DS81	INTERIOR LIGHT, FLUORESCENT	21	832	E151	SPLICE	11	374	E152	SPLICE	18	731
A22	DOOR AIR FLASHER	21	806	DS82	INTERIOR LIGHT, FLUORESCENT	21	832	E153	SPLICE	4	44	E154	SPLICE	11	356,357,358
B	VAN HEATER MOTOR	21	803	DS83	INTERIOR LIGHT, FLUORESCENT	21	832	E155	SPLICE	19	755	E156	SPLICE	19	755
B	ARCTIC KIT HEATER PUMP MOTOR	11	350	DS84	FRONT MARKER LIGHTS (VAN)	21	813	E157	SPLICE	12	422	E158	SPLICE	16	721
B	ARCTIC KIT HEATER MOTOR	3	359	DS85	FRONT MARKER LIGHTS (VAN)	21	813	E159	SPLICE	18	718	E160	SPLICE	8	188
B1	STARTER MOTOR	3	29	DS86	FRONT MARKER LIGHTS (VAN)	21	813	E161	SPLICE	8	188	E162	SPLICE	3	1
B2	WIPER MOTOR	18	720	DS87	FRONT MARKER LIGHTS (VAN)	21	813	E163	SPLICE	8	188	E164	SPLICE	8	188
B3	WASHER MOTOR	18	722	DS88	FRONT MARKER LIGHTS (VAN)	21	813	E165	SPLICE	8	188	E166	SPLICE	8	188
B4	HEATER EVAPORATOR BLOWER MOTOR	6	187	DS89	REAR MARKER LIGHTS (VAN)	21	822	E167	SPLICE	8	188	E168	SPLICE	8	188
B6,96A,96B,96C	AUXILIARY OIL COOLER FAN MOTOR	4	42	DS90	REAR MARKER LIGHTS (VAN)	21	822	E169	SPLICE	8	188	E170	SPLICE	8	188
B9	SWING FIRE PUMP MOTOR	11	379	DS91	REAR MARKER LIGHTS (VAN)	21	822	E171	SPLICE	8	188	E172	SPLICE	8	188
B10	TRANSFER CASE CONNECTOR	5	78	DS92	REAR MARKER LIGHTS (VAN)	21	822	E173	SPLICE	8	188	E174	SPLICE	8	188
B11	VAN FAN MOTOR	21	800	DS93	REAR MARKER LIGHTS (VAN)	21	822	E175	SPLICE	8	188	E176	SPLICE	8	188
B12	SWING FIRE HEATER	11	378	DS94	REAR MARKER LIGHTS (VAN)	21	822	E177	SPLICE	8	188	E178	SPLICE	8	188
B1	BATTERY	3	12	DS95	REAR MARKER LIGHTS (VAN)	21	822	E179	SPLICE	8	188	E180	SPLICE	8	188
B12	BATTERY	3	12	DS96	EMERGENCY LIGHTS (VAN)	21	832	E181	SPLICE	8	188	E182	SPLICE	8	188
B13	BATTERY	3	12	DS97	SWING FIRE	6	119	E183	SPLICE	8	188	E184	SPLICE	8	188
B14	BATTERY	3	12	DS98	EMERGENCY LIGHTS (VAN)	21	832	E185	SPLICE	8	188	E186	SPLICE	8	188
CB1	CIRCUIT BREAKER	21	801	DS99	TAIL GATE RELEASE	6	121	E187	SPLICE	8	188	E188	SPLICE	8	188
CB2	CIRCUIT BREAKER	21	801	DS100	DUMP BODY UP/DOWN	6	122	E189	SPLICE	8	188	E190	SPLICE	8	188
CB3	CIRCUIT BREAKER	21	801	DS101	FUEL PREHEAT	6	122	E191	SPLICE	8	188	E192	SPLICE	8	188
CB4	CIRCUIT BREAKER	21	805	DS102	HVAC PANEL ILLUMINATION	8	186	E193	SPLICE	8	188	E194	SPLICE	8	188
CB5	CIRCUIT BREAKER	21	805	DS103	PORTABLE WORK RIGHT HAND	10	298	E195	SPLICE	8	188	E196	SPLICE	8	188
CB6	CIRCUIT BREAKER	21	805	DS104	PORTABLE WORK LEFT HAND	10	297	E197	SPLICE	8	188	E198	SPLICE	8	188
CB7	CIRCUIT BREAKER	21	805	DS105	PORTABLE WORK LEFT HAND	10	298	E199	SPLICE	8	188	E200	SPLICE	8	188
CB8	CIRCUIT BREAKER	21	805	DS106	PORTABLE WORK RIGHT HAND	10	299	E201	SPLICE	8	188	E202	SPLICE	8	188
CB9	CIRCUIT BREAKER	21	805	DS107	PORTABLE WORK LEFT HAND	10	300	E203	SPLICE	8	188	E204	SPLICE	8	188
CB10	CIRCUIT BREAKER	21	811	DS108	LAMP TEST	6	119	E205	SPLICE	8	188	E206	SPLICE	8	188
CB11	CIRCUIT BREAKER	21	811	DS109	FAST IDLE	6	112A	E207	SPLICE	8	188	E208	SPLICE	8	188
CB20	CIRCUIT BREAKER	5	75	DS110	WARM UP/ EXHAUST BRAKE	6	112A	E209	SPLICE	8	188	E210	SPLICE	8	188
CB21	CIRCUIT BREAKER	18	731	DS111	ABS	4,5,6,7,8,9, 14,18,20, 356,73,127,147,220, 255,490,705,774, 1,73,112A,188,277, 450A,780		E211	SPLICE	8	188	E212	SPLICE	8	188
CB22	CIRCUIT BREAKER	4	388	E1	SPLICE	4,5,6,7,8,9, 14,18,20, 356,73,127,147,220, 255,490,705,774, 1,73,112A,188,277, 450A,780		E213	SPLICE	8	188	E214	SPLICE	8	188
CB23	CIRCUIT BREAKER	8	188	E2	SPLICE	3,5,6,8,10, 13,20, 450A		E215	SPLICE	8	188	E216	SPLICE	8	188
CB30	CIRCUIT BREAKER	10	306	E6	SPLICE	13	450A	E217	SPLICE	8	188	E218	SPLICE	8	188
CB35	CIRCUIT BREAKER	14	507	E7	SPLICE	13	450A	E219	SPLICE	8	188	E220	SPLICE	8	188
CB37	CIRCUIT BREAKER	18	715	E8	SPLICE	20	790	E221	SPLICE	8	188	E222	SPLICE	8	188
CB38	CIRCUIT BREAKER	9	232	E9	SPLICE	20	790	E223	SPLICE	8	188	E224	SPLICE	8	188
CB39	CIRCUIT BREAKER	14	506	E10	SPLICE	13	450A	E225	SPLICE	8	188	E226	SPLICE	8	188
CB40	CIRCUIT BREAKER	14	506	E11	SPLICE	12	403	E227	SPLICE	8	188	E228	SPLICE	8	188
CB41	CIRCUIT BREAKER	9	256	E12	SPLICE	13	455	E229	SPLICE	8	188	E230	SPLICE	8	188
CB42	CIRCUIT BREAKER	12	425	E14	SPLICE	14	511	E231	SPLICE	8	188	E232	SPLICE	8	188
CB43	CIRCUIT BREAKER	4	63	E15	SPLICE	10	288	E233	SPLICE	8	188	E234	SPLICE	8	188
CB44	CIRCUIT BREAKER	4	201	E16	SPLICE	10	288	E235	SPLICE	8	188	E236	SPLICE	8	188
CB45	CIRCUIT BREAKER	6	143	E17	SPLICE	10	288	E237	SPLICE	8	188	E238	SPLICE	8	188
CB48	CIRCUIT BREAKER	11	360	E18	SPLICE	8	195	E239	SPLICE	8	188	E240	SPLICE	8	188
CB49	CIRCUIT BREAKER	4	61	E19	SPLICE	9	249	E241	SPLICE	8	188	E242	SPLICE	8	188
CB50	CIRCUIT BREAKER	11,19	368,754	E20	SPLICE	10	249	E243	SPLICE	8	188	E244	SPLICE	8	188
CB53	CIRCUIT BREAKER (SPARE)	11	364	E21	SPLICE	14,8,9,10, 511,195,202, 219,249,288		E245	SPLICE	8	188	E246	SPLICE	8	188
CB54	CIRCUIT BREAKER	20	774	E23	SPLICE	9	257	E247	SPLICE	8	188	E248	SPLICE	8	188
CB56	CIRCUIT BREAKER	9	245	E24	SPLICE	9	258	E249	SPLICE	8	188	E250	SPLICE	8	188
CB57	CIRCUIT BREAKER	14	522	E26	SPLICE	14	513	E251	SPLICE	8	188	E252	SPLICE	8	188
CB58	CIRCUIT BREAKER	4	388	E27	SPLICE	10	288	E253	SPLICE	8	188	E254	SPLICE	8	188
CB70	CIRCUIT BREAKER	8	196	E28	SPLICE	8,9,10, 195,202,219, 249,288		E255	SPLICE	8	188	E256	SPLICE	8	188
CB71	CIRCUIT BREAKER	8	194	E29	SPLICE	14	511	E257	SPLICE	8	188	E258	SPLICE	8	188
CB72	CIRCUIT BREAKER	10	289	E30	SPLICE	14	511	E259	SPLICE	8	188	E260	SPLICE	8	188
CB73	CIRCUIT BREAKER	4	67	E31	SPLICE	9	249	E261	SPLICE	8	188	E262	SPLICE	8	188
CB74	CIRCUIT BREAKER	4	67	E32	SPLICE	10	290	E263	SPLICE	8	188	E264	SPLICE	8	188
CB76	CIRCUIT BREAKER	8	191	E33	SPLICE	10	296	E265	SPLICE	8	188	E266	SPLICE	8	188
CB77	CIRCUIT BREAKER	3	25	E34	SPLICE	10	296	E267	SPLICE	8	188	E268	SPLICE	8	188
CB78	CIRCUIT BREAKER (AUTO. RESET)	9	236	E35	SPLICE	14	516	E269	SPLICE	8	188	E270	SPLICE	8	188
CB79	CIRCUIT BREAKER	4,18	64,731	E36	SPLICE	14	511	E271	SPLICE	8	188	E272	SPLICE	8	188
CB80	CIRCUIT BREAKER	9	264	E37	SPLICE	14	518	E273	SPLICE	8	188	E274	SPLICE	8	188
CB82	CIRCUIT BREAKER	7	176	E38	SPLICE	14	518	E275	SPLICE	8	188	E276	SPLICE	8	188
CB83	CIRCUIT BREAKER	7	172	E39	SPLICE	14	506	E277	SPLICE	8	188	E278	SPLICE	8	188
CB84	CIRCUIT BREAKER	20	774	E40	SPLICE	8	197	E279	SPLICE	8	188	E280	SPLICE	8	188
CB88	CIRCUIT BREAKER	8	193	E41	SPLICE	10	288	E281	SPLICE	8	188	E282	SPLICE	8	188
CB112	CIRCUIT BREAKER	3	20	E42	SPLICE	10	291	E283	SPLICE	8	188	E284	SPLICE	8	188
DS1	ABS LIGHT	13	477	E43	SPLICE	14	543	E285	SPLICE	8	188	E286	SPLICE	8	188
DS2	INLET AIR HEATER	13	481	E44	SPLICE	10	285	E287	SPLICE	8	188	E288	SPLICE	8	188
DS3	TRAILER ABS	13	482A	E45	SPLICE	8	208	E289	SPLICE	8	188	E290	SPLICE	8	188
DS4	NO CHARGE	13	482A	E46	SPLICE	8	195	E291	SPLICE	8	188	E292	SPLICE	8	188
DS8	FAN OFF	6	113	E47	SPLICE	9	249	E293	SPLICE	8	188	E294	SPLICE	8	188
DS9	DUMP UP INDICATOR	13	478	E48	SPLICE	10	288	E295	SPLICE	8	188	E296	SPLICE	8	188
DS10	ROTATING WARNING	6	114	E49	SPLICE	10	288	E297	SPLICE	8	188	E298	SPLICE	8	188
DS11	ETHER START	6	114	E50	SPLICE	10	288	E299	SPLICE	8	188	E300	SPLICE	8	188
DS12	HAZARD WARNING	6	116	E51	SPLICE	10	283	E301	SPLICE	8	188	E302	SPLICE	8	188
DS13	IGNITION	6	116	E52	SPLICE	10	283	E303	SPLICE	8	188	E304	SPLICE	8	188
DS14	LEFT TURN	13	479	E53	SPLICE	10	296	E305	SPLICE	8	188	E306	SPLICE	8	188
DS15	RIGHT TURN	13	479	E54	SPLICE	10	297	E307	SPLICE	8	188	E308	SPLICE	8</	







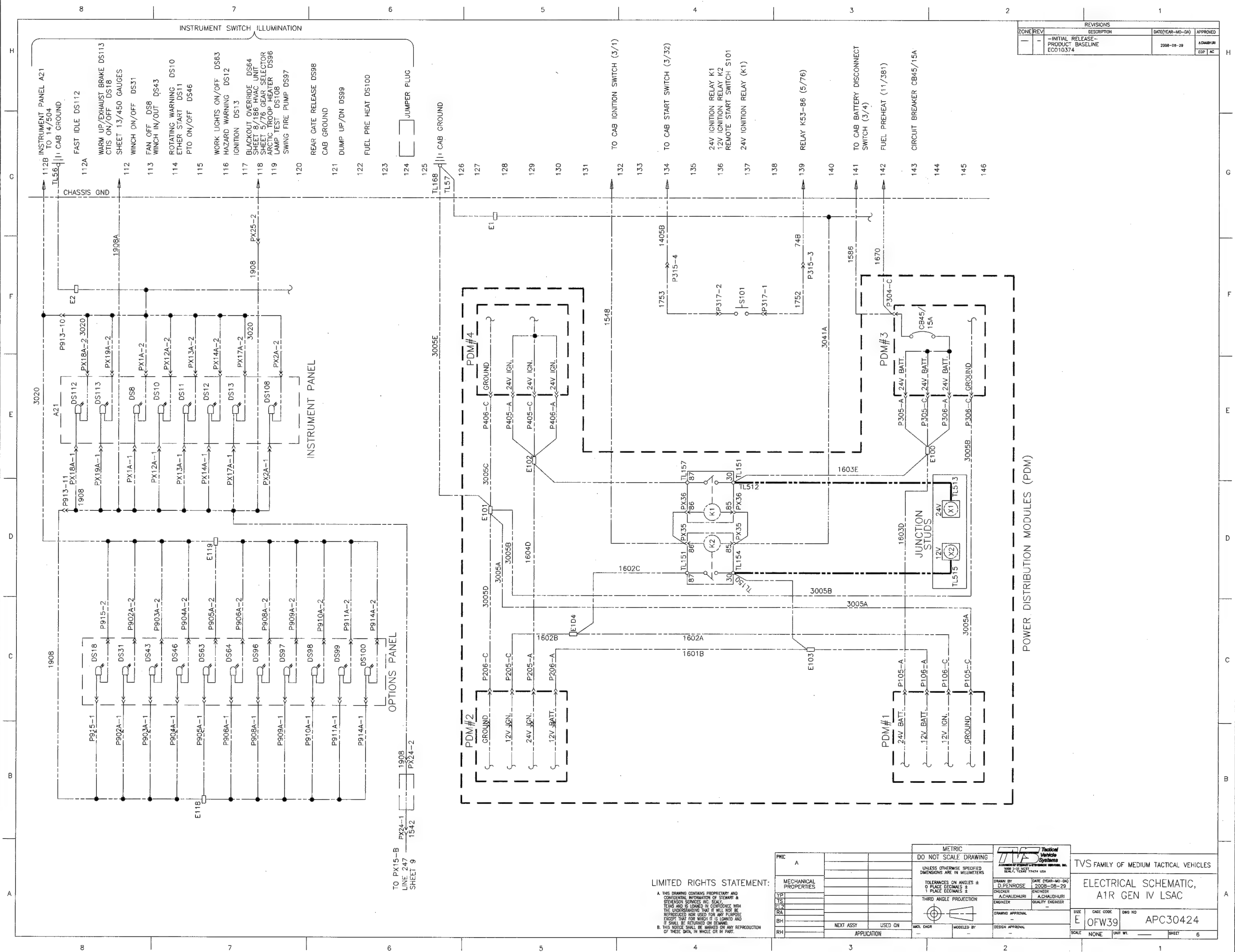


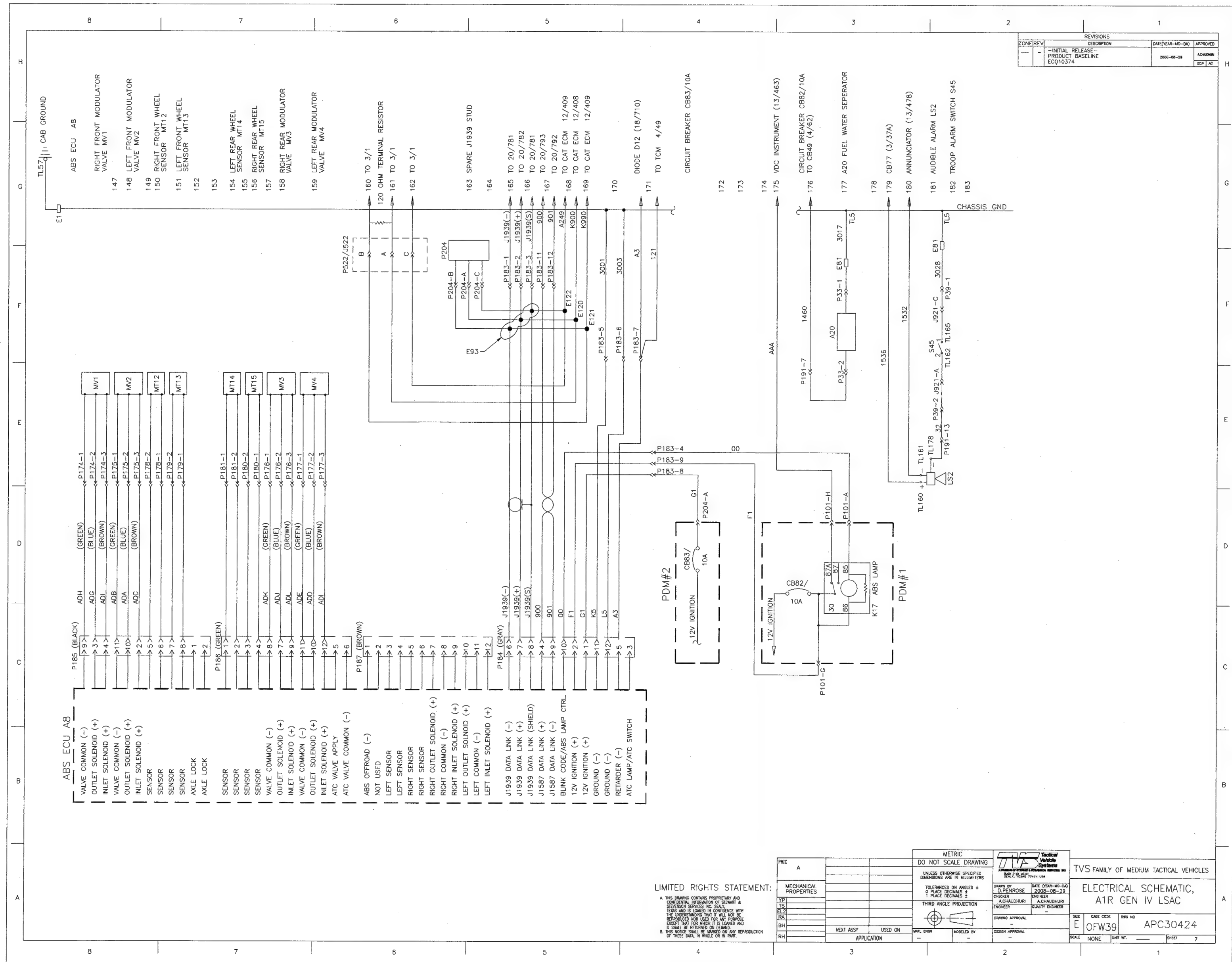


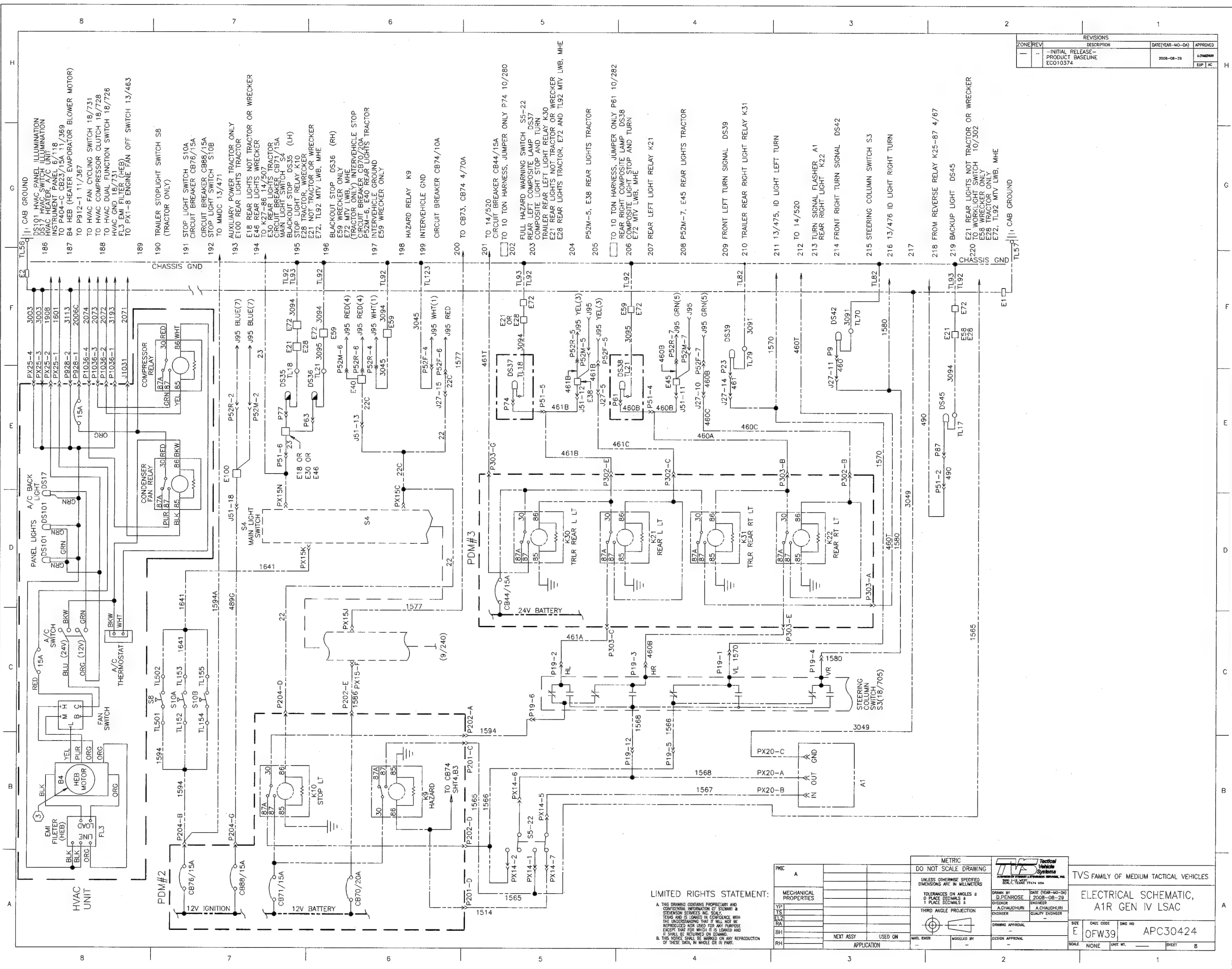
REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-08-28
			APPROVED
			ESP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & SENSATION SERVICES INC. (SSS) AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE, EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

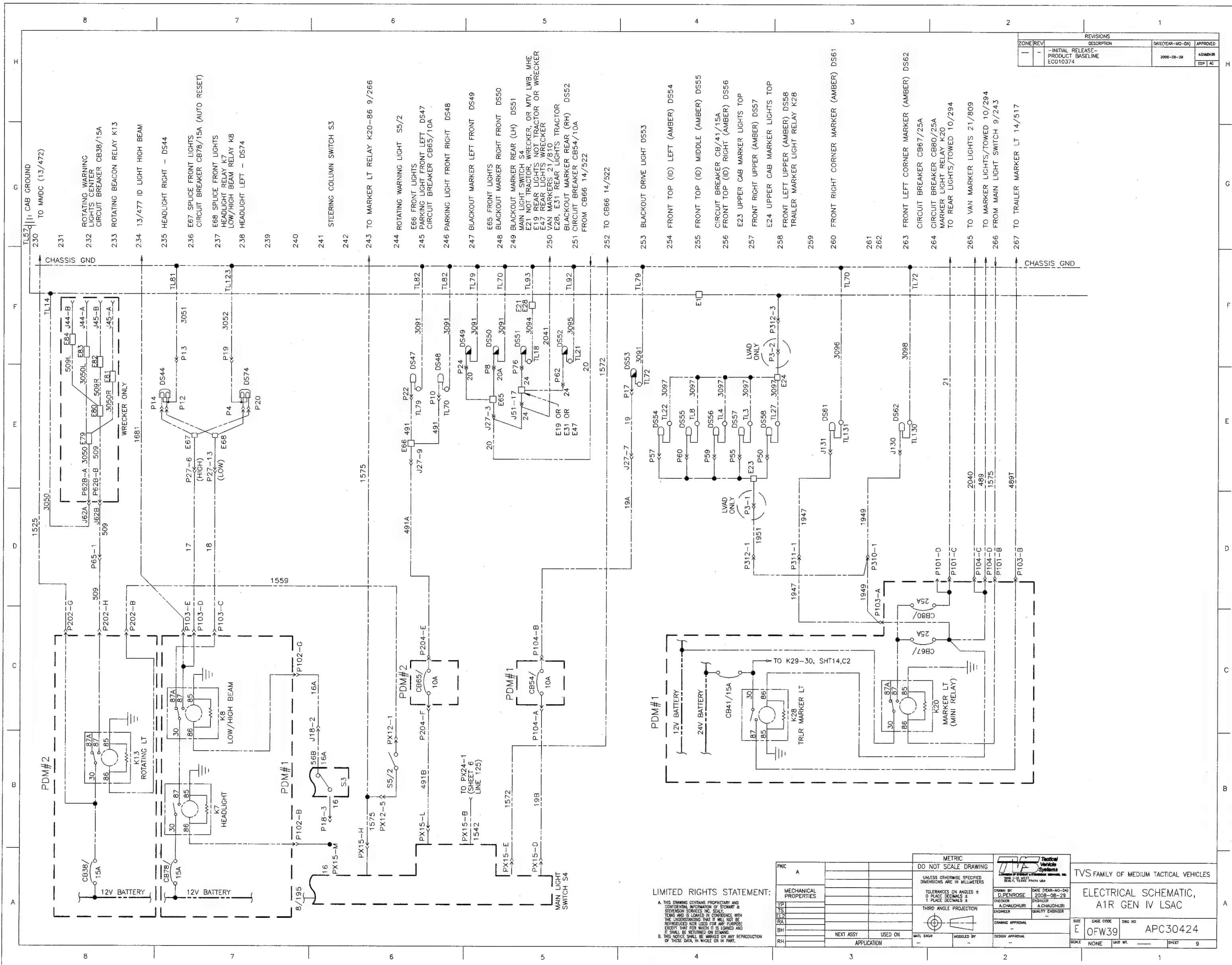
PHIC	A	METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
YPT		TOLERANCES (IN ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±)		DATE (YEAR-MO-DA) 2008-08-28	
TS		THIRD ANGLE PROJECTION		DRAWN BY D. PENROSE	
ET2				CHECKER A. CHAUDHURI	
RA				ENGINEER A. CHAUDHURI	
BH				DESIGN APPROVAL	
RH				QUALITY ENGINEER	
NEXT ASSY USED ON		DATE ENGR		SCALE NONE	
APPLICATION		MODELED BY		UNIT WT.	
				SHEET 5	









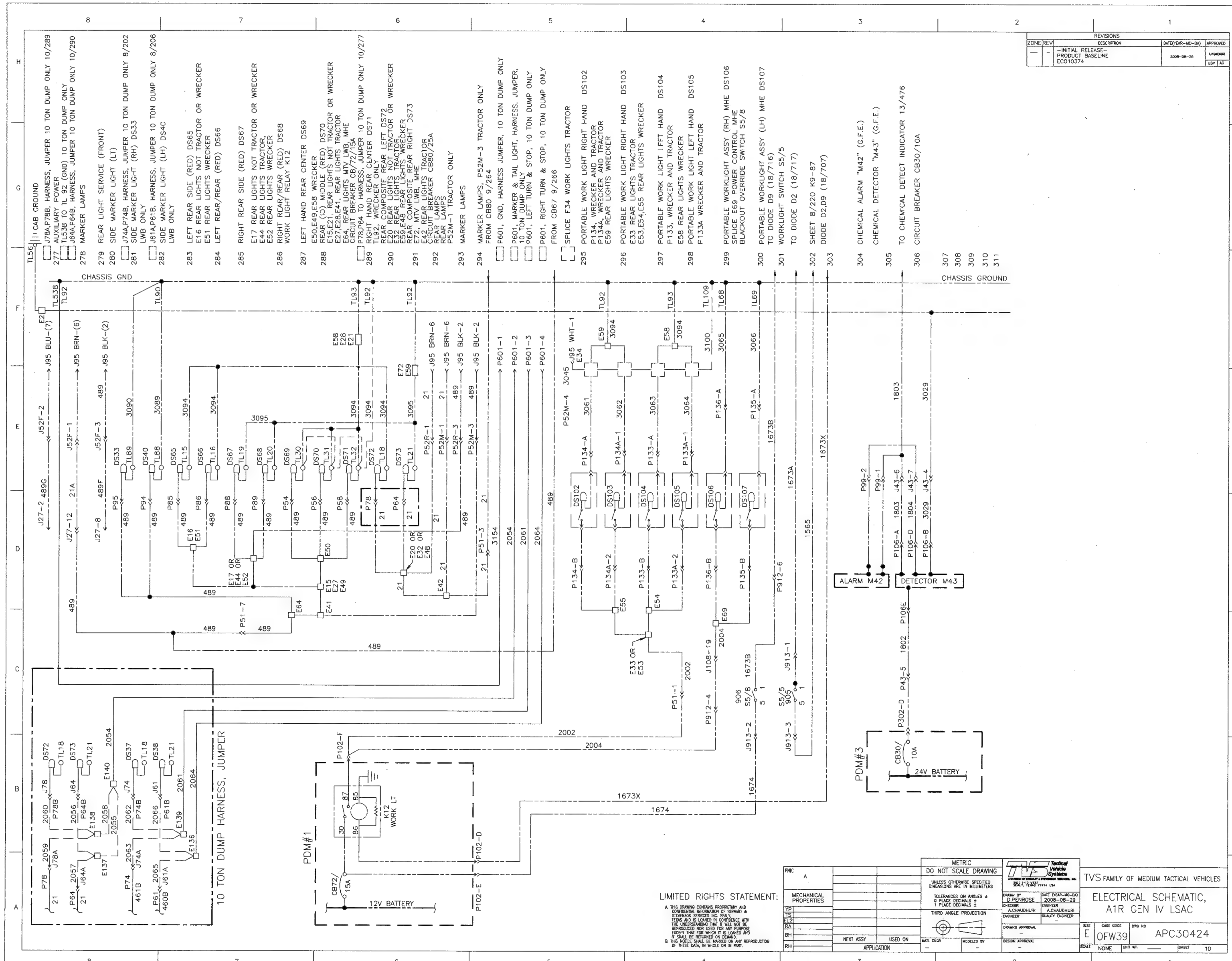


REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE REV	DESCRIPTION		
1	INITIAL RELEASE - PRODUCT BASELINE ECU10374	2008-08-28	ADAM/AC

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEVENSON SERVICES INC. (SS) AND IS LOANED TO YOUR COMPANY IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED FOR ANY OTHER USE OR FOR ANY OTHER PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED TO SS UPON REQUEST.

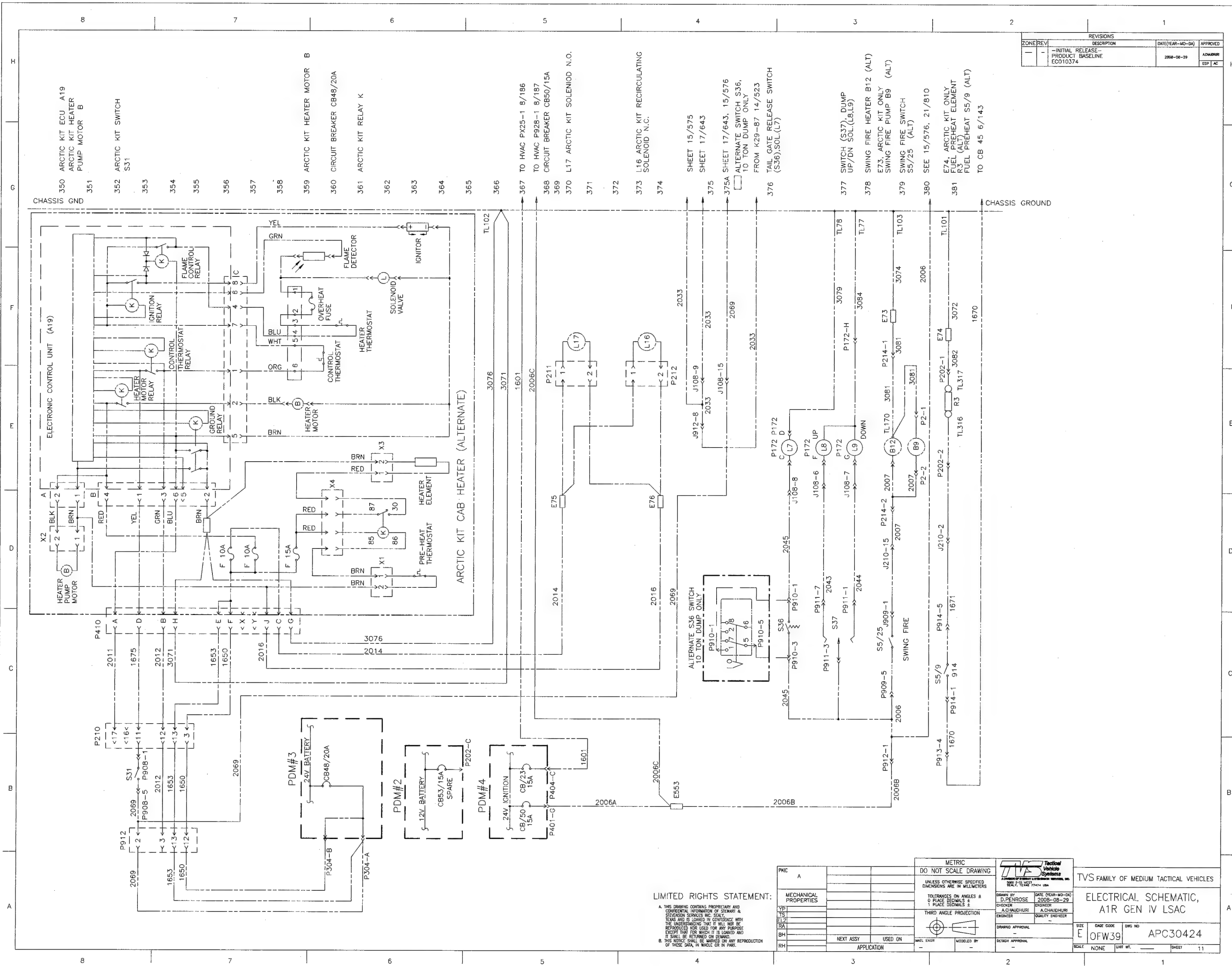
P/NIC		A		METRIC		DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES				TOLERANCES ON ANGLES ± 0 PLACE DECIMALS 2 1 PLACE DECIMALS 5		THIRD ANGLE PROJECTION		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
TYP				DRAWN BY		DATE (YEAR-MO-DA)		SIZE	
LTS				D. PENROSE		2008-08-29		E	
LIP				CHECKED		A. CHAUDHURI		CAGE CODE	
RA				ENGINEER		A. CHAUDHURI		DWG NO	
BH				QUALITY ENGINEER				APC30424	
RH				DRAWING APPROVAL				SCALE	
				DESIGN APPROVAL				NONE	
								UNIT WT.	
								SHEET	
								9	



REVISIONS			
ZONE	REV	DESCRIPTION	DATE(YEAR-MO-DA)
1	1	INITIAL RELEASE- PRODUCT BASELINE ECO10374	2008-08-28
			APPROVED
			EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & STEARNS SERVICES, INC. (SSSI). IT IS LOANED TO YOU IN CONFIDENCE AND IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED. NO PART OF THIS DRAWING SHALL BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED. NO PART OF THIS DRAWING SHALL BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED.

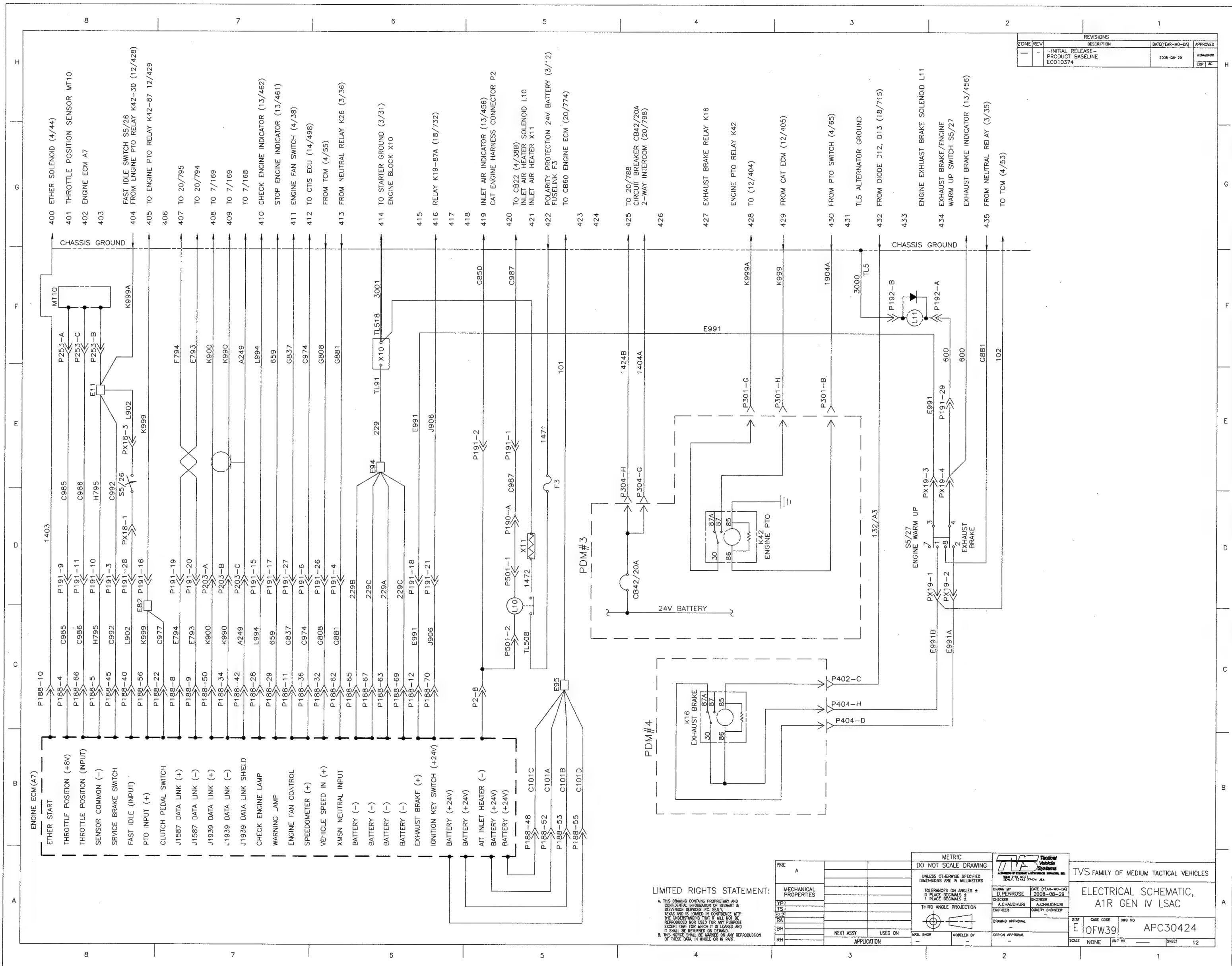
PNC A		METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
THIRD ANGLE PROJECTION		DRAWN BY D-SENROSE CHECKED BY A-CHAUDHURI ENGINEER		DATE FROM-MO-DA 2008-08-29	
NEXT ASSY		USED ON		DRAWING APPROVAL	
APPLICATION		MAIL ENGR		DESIGN APPROVAL	
		MODELED BY		SCALE	
				NONE	
				UNIT WT.	
				SHEET	
				10	

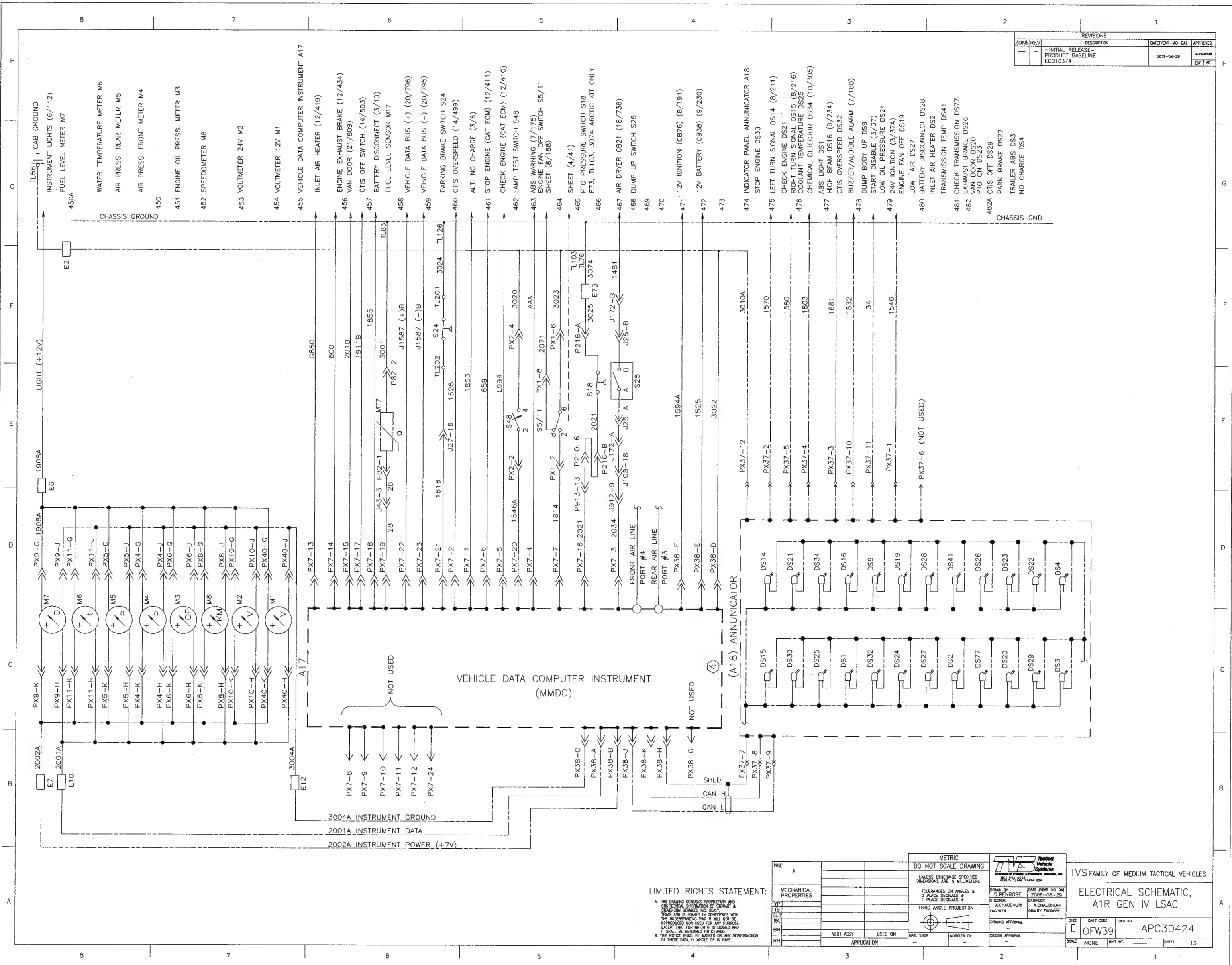


REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV.		
1	INITIAL RELEASE - PRODUCT BASELINE EC010374	2008-08-29	ADAMWDR
			ESP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & SENSATION SERVICES INC. (SSSI), TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC	A	METRIC DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
YD		TOLERANCES ON ANGLES: ± 0 PLACE DECIMALS + 1 PLACE DECIMALS ±		SIZE E	
TS		THIRD ANGLE PROJECTION		DATE CODE 0FW39	
ET2		DRAWN BY: D. PENROSE		DWG NO. APC30424	
RA		CHECKED: A. CHAUDHURI		SCALE NONE	
BH		ENGINEER: A. CHAUDHURI		UNIT WT.	
RH		QUALITY ENGINEER: A. CHAUDHURI		SHEET 11	
APPLICATION		DESIGN APPROVAL			



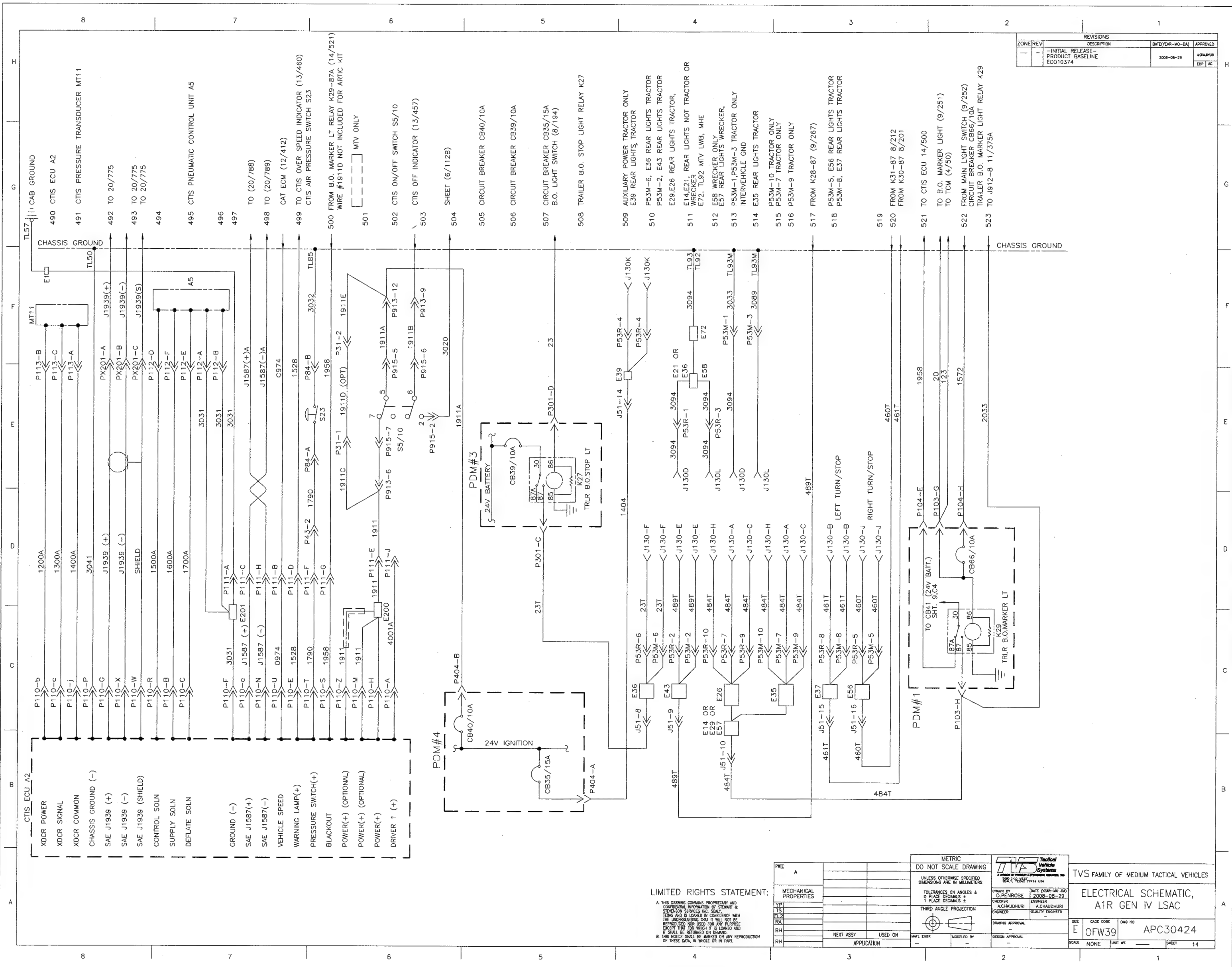


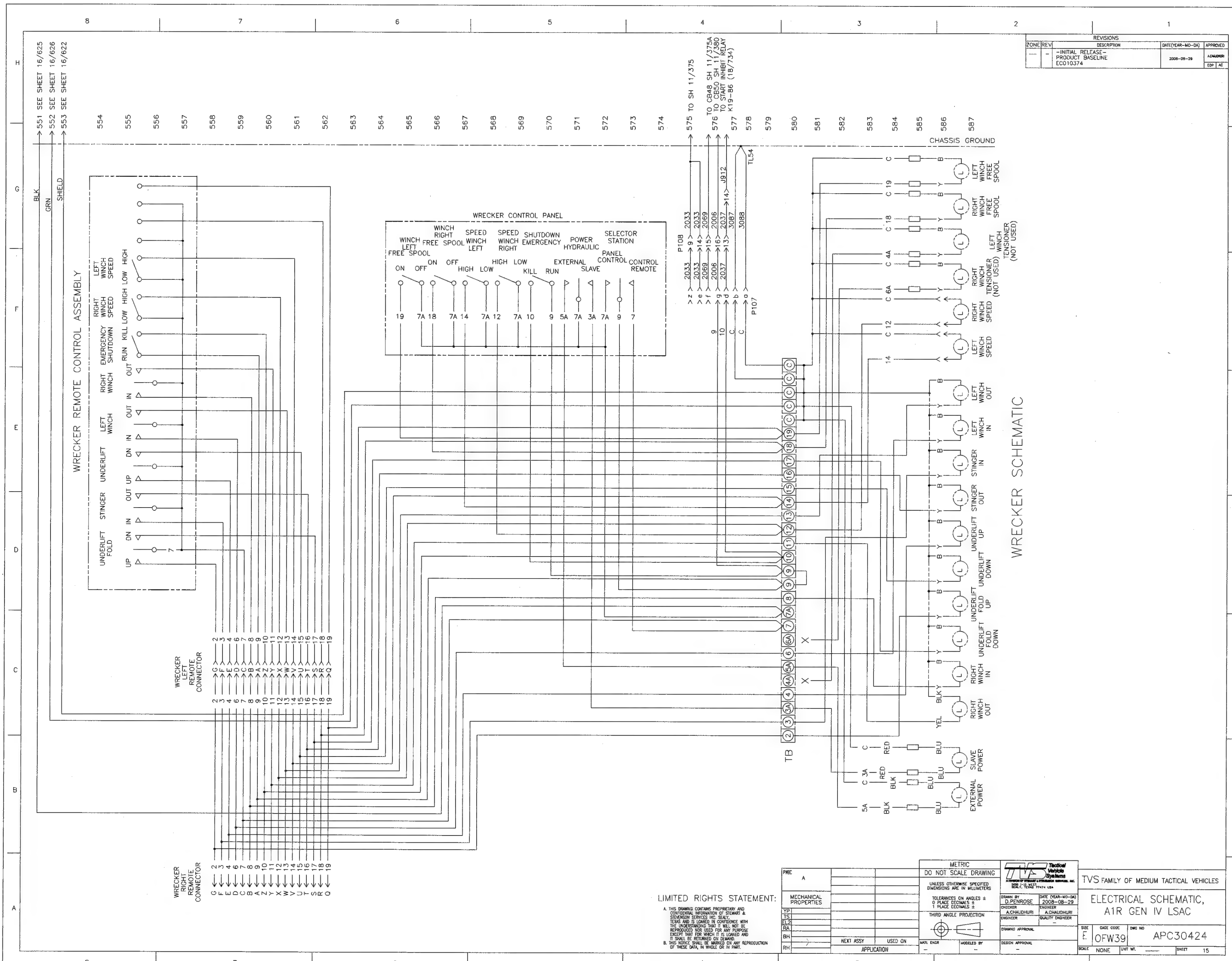
REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV	DESCRIPTION	
-	-	INITIAL RELEASE-PRODUCT BASELINE ECO10374	2008-08-29
			EDP AC

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEINBERG & STERNBERG SERVICES INC. (SSSI). THIS DRAWING IS LOANED TO THE USER IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

P/N: A		METRIC DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± ° PLACE DECIMALS ± ° PLACE DECIMALS ±		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
Y/P		THIRD ANGLE PROJECTION		DRAWN BY: D. PENROSE CHECKED: A. CHAUDHURI ENGINEER: A. CHAUDHURI	
TS		NEXT ASSY		DATE (YEAR-MO-DA): 2008-08-29	
EL		USED ON		DESIGNER: A. CHAUDHURI	
RA		APPLICATION		QUALITY ENGINEER	
BH				DRAWING APPROVAL	
RY				DESIGN APPROVAL	
				SIZE: E	
				CASE CODE: OFW39	
				DWG NO: APC30424	
				SCALE: NONE	
				SHEET: 13	







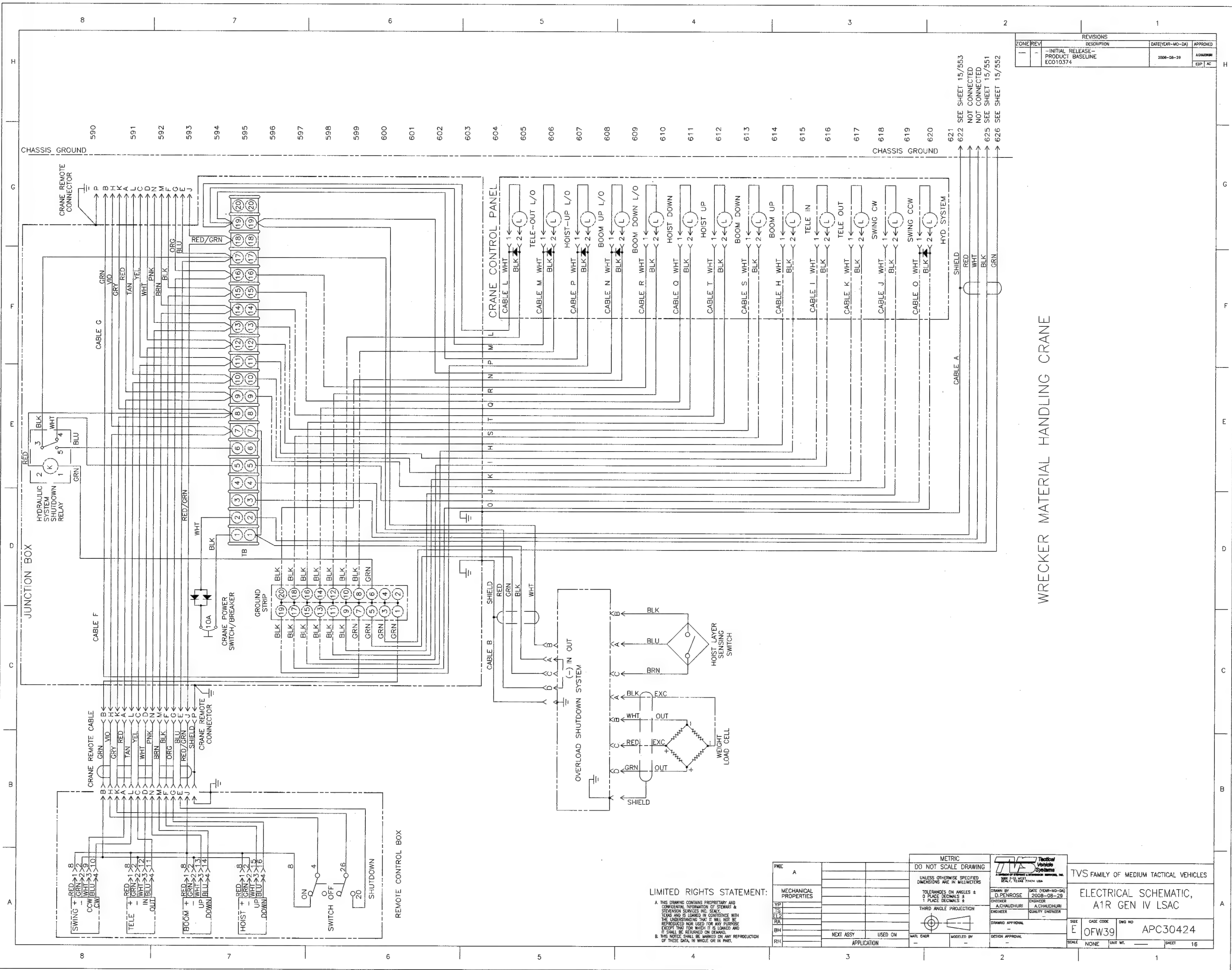
ZONE REV		REVISIONS		DATE (YEAR-MO-DA)		APPROVED	
1	1	INITIAL RELEASE - PRODUCT BASELINE	ECO10374	2008-08-29		ACALDURI	EDP AC

WRECKER SCHEMATIC

LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES, INC. (SSS) AND IS LOANED TO YOUR AGENCY FOR YOUR USE ONLY. IT IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND. B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

P/MC		A		METRIC		DO NOT SCALE DRAWING		TVS		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		TOLERANCES ON ANGLES ± 0.1° PLACE DECIMALS		THIRD ANGLE PROJECTION		DRAWN BY: D. PENROSE		DATE: 2008-08-29		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
VP		NEXT ASSY		USED ON		CHECKED BY: A. CHAUDHURI		ENGINEER		SIZE: E	
TS		APPLICATION		DRAWING APPROVAL		ENGINEER		QUALITY ENGINEER		DWG NO: APC30424	
E1/2		DATE		SCALE		NONE		UNIT WT.		SHEET 15	
RA		APPLICATION		DATE		NONE		UNIT WT.		SHEET 15	
BH		APPLICATION		DATE		NONE		UNIT WT.		SHEET 15	
RH		APPLICATION		DATE		NONE		UNIT WT.		SHEET 15	



REVISIONS			
ZONE	REV	DESCRIPTION	DATE (YEAR-MO-DA)
1	1	INITIAL RELEASE - PRODUCT BASELINE ECU10374	2008-08-29
APPROVED			EDP AC

WRECKER MATERIAL HANDLING CRANE

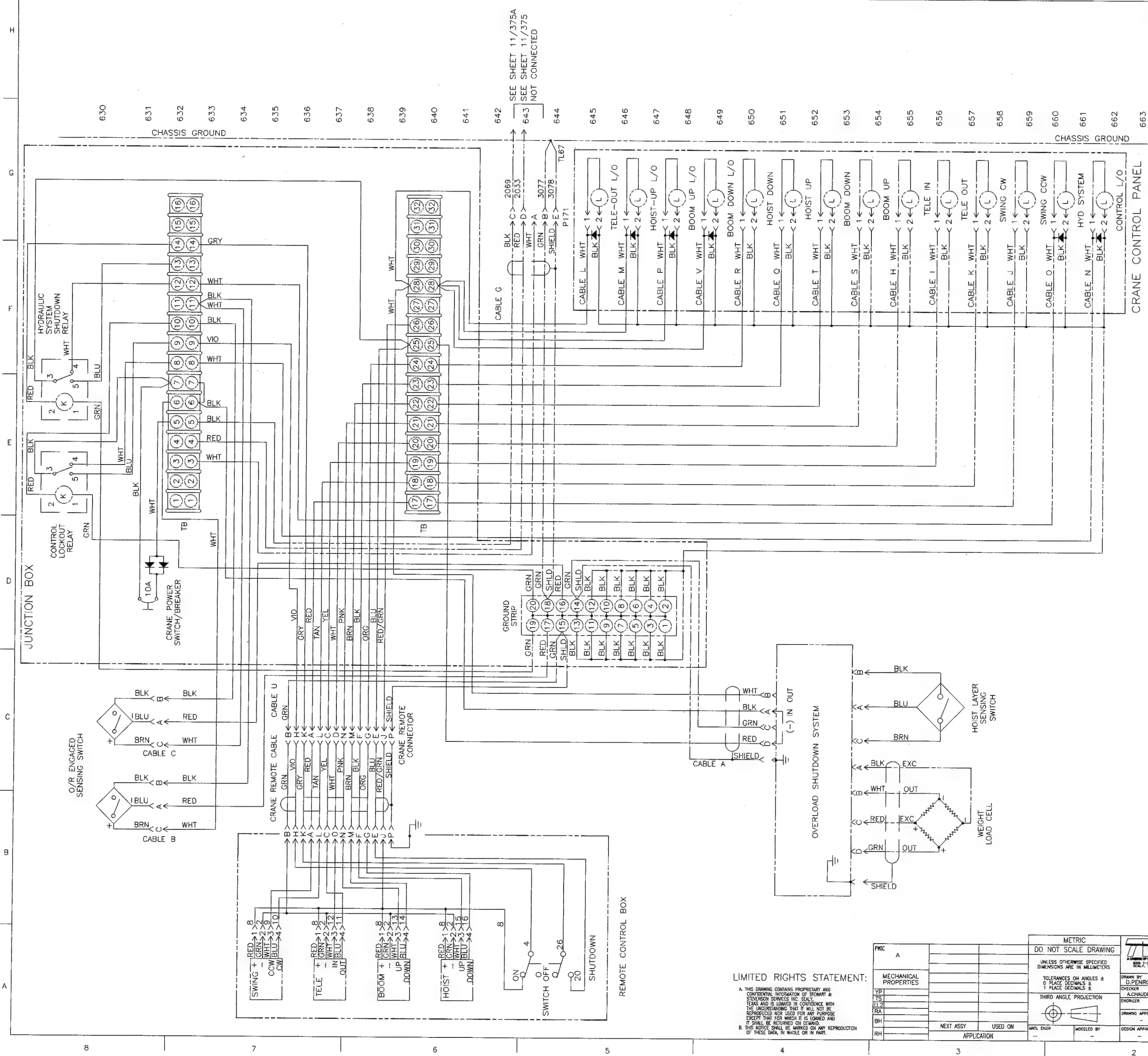
LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES INC. (SSS) AND IS LOANED TO THE USER IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC	A	DO NOT SCALE DRAWING		METRIC	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		TACTICAL Vehicle Systems	
Y21		THIRD ANGLE PROJECTION		DRAWN BY: D. PENROSE	
T21				CHECKED BY: A. CHAUDHURI	
RA				ENGINEER: A. CHAUDHURI	
BH				QUALITY ENGINEER: A. CHAUDHURI	
RH				DRAWING APPROVAL: A. CHAUDHURI	
NEXT ASSY		USED ON		DATE (YEAR-MO-DA): 2008-08-29	
APPLICATION		WRL ENGR		MODELED BY	
		DESIGN APPROVAL		SCALE: NONE	
				UNIT WT: 16	
				SHEET: 16	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES		
ELECTRICAL SCHEMATIC, A1R GEN IV LSAC		
SIZE: E	CASE CODE: OFW39	DWG NO: APC30424

REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV	DESCRIPTION	
---	---	INITIAL RELEASE - PRODUCT BASELINE ECU010374	2008-08-29
			ESP JAC

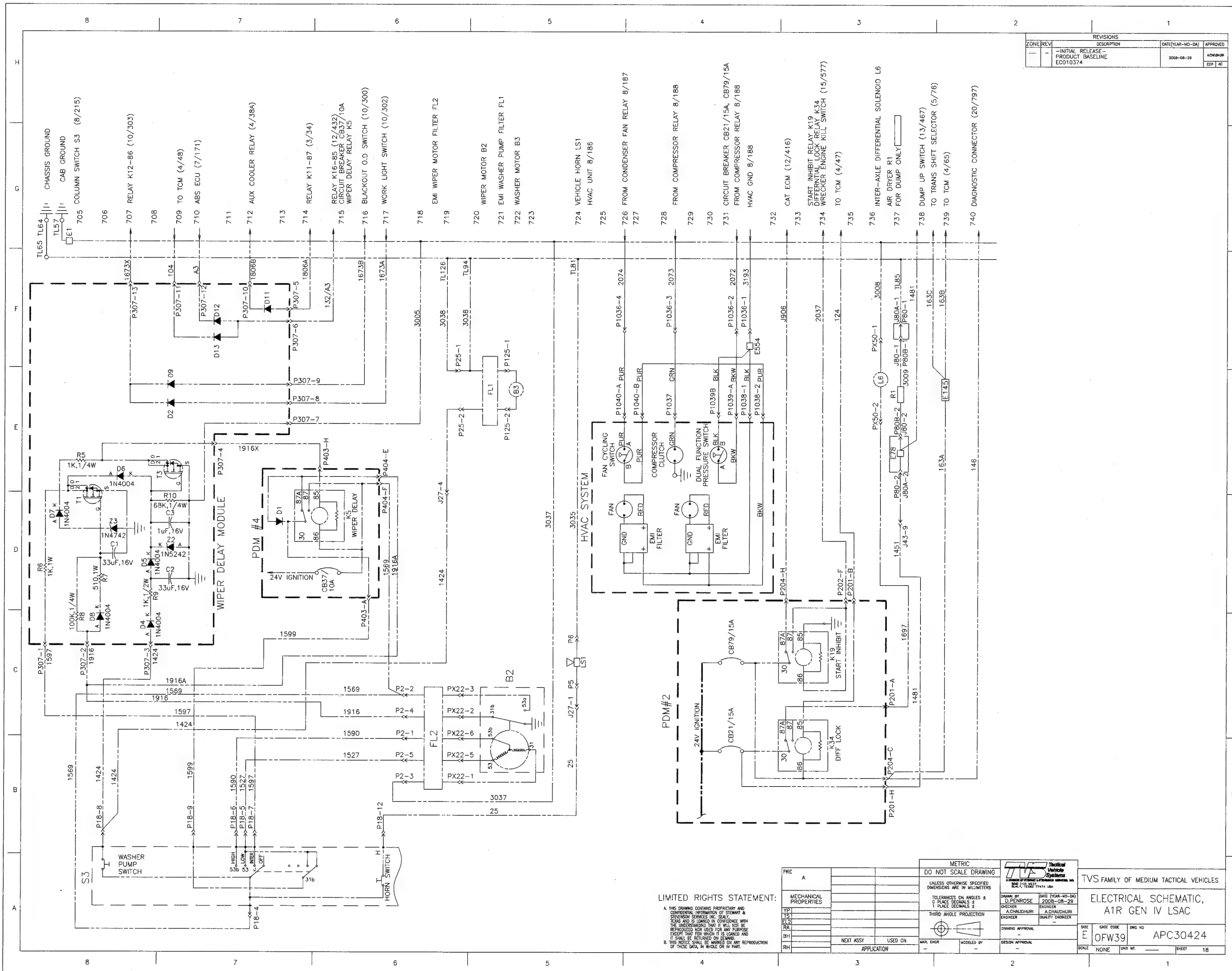


# CARGO MATERIAL HANDLING CRANE

## LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STANTEC & STANTEC SERVICES INC. SEAL, TEXAS AND IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED NOR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MOVED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

<b>FWC</b> <b>A</b> MECHANICAL PROPERTIES YP TS RA BH RH		METRIC DO NOT SCALE DRAWING TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ± THIRD ANGLE PROJECTION NEXT ASSY USED ON APPLICATION		<b>TVS</b> Technical Vehicle Systems A DIVISION OF STANTEC & STANTEC SERVICES INC. 2008-08-29 DRAWN BY: D. PENROSE CHECKED: A. CHAUDHURI ENGINEER: A. CHAUDHURI QUALITY ENGINEER: DATE (YEAR-MO-DA): 2008-08-29 DRAWING APPROVAL: DESIGN APPROVAL: MODEL BY: DATE: ENGR: MODELED BY: SCALE: NONE UNIT: WT. SHEET: 17	
TVS FAMILY OF MEDIUM TACTICAL VEHICLES ELECTRICAL SCHEMATIC, A1R GEN IV LSAC				SIZE: E CAGE CODE: OFW39 DWG NO: APC30424	

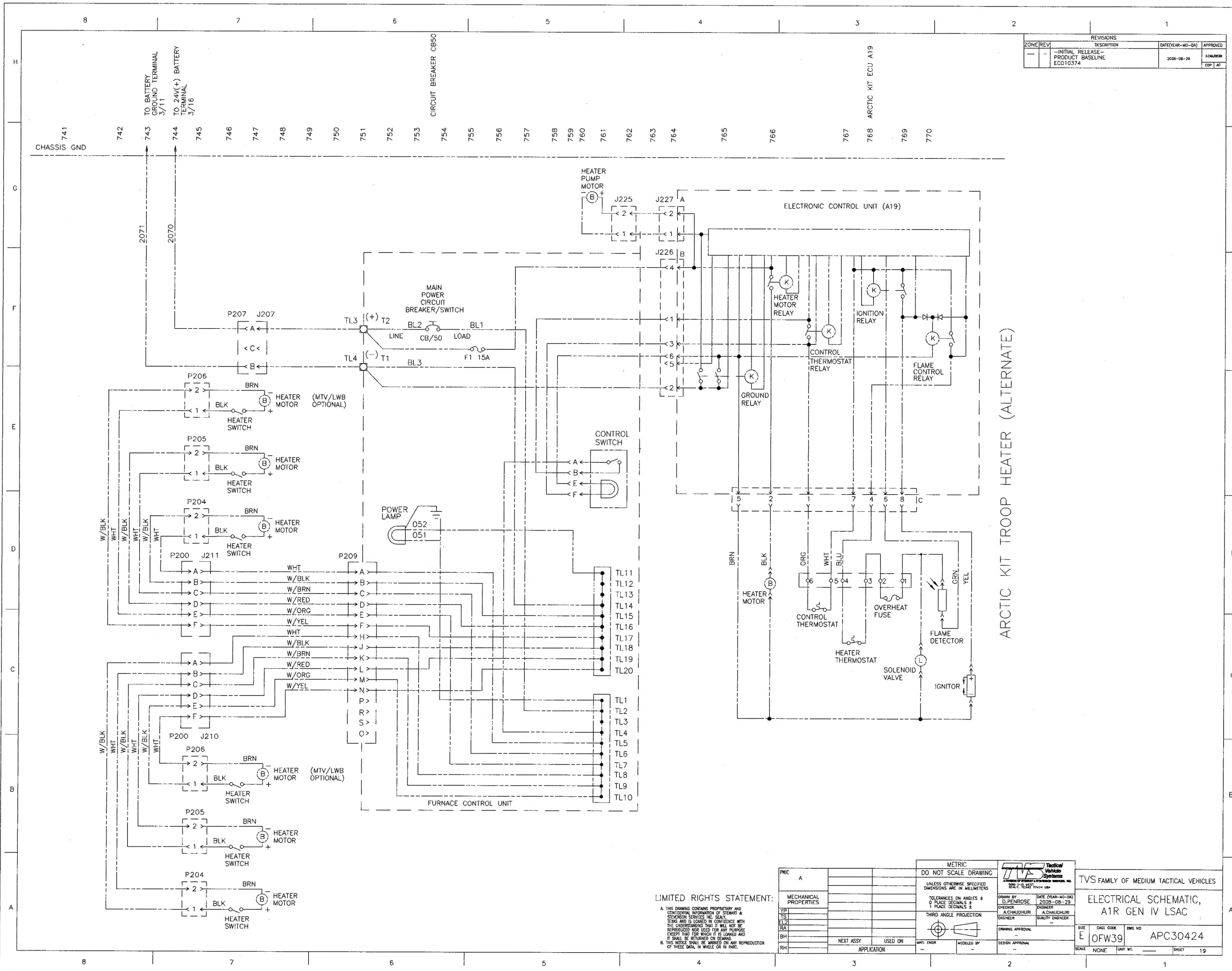


ZONE/REV		REVISIONS		DATE(YEAR-MO-DA)		APPROVED	
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---

LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEWART & STEVENSON SERVICES, INC. (SSS). THIS DRAWING IS LOANED TO YOU IN CONFIDENCE AND IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE APPLIED TO ANY REPRODUCTION OF THIS DATA IN WHOLE OR IN PART.

PHIC		A		METRIC		DO NOT SCALE DRAWING		TVS Technical Systems		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TOLERANCES ON ANGLES ±		DRAWN BY		DATE (YEAR-MO-DA)		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
YP		TOLERANCES ON DIMENSIONS ±		CHECKER		D. PENROSE		2008-08-29		SIZE	
EL2		1 PLACE DECIMALS ±		ENGINEER		A. CHAUDHURI		ENGINEER		CASE CODE	
BH		THIRD ANGLE PROJECTION		ENGINEER		A. CHAUDHURI		QUALITY ENGINEER		DWG NO	
RH		NEXT ASSY		USED ON		APPLICATION		SCALE		NONE	
		UNIT ENGR		MODELED BY		DESIGN APPROVAL		UNIT WT.		SHEET	
										18	

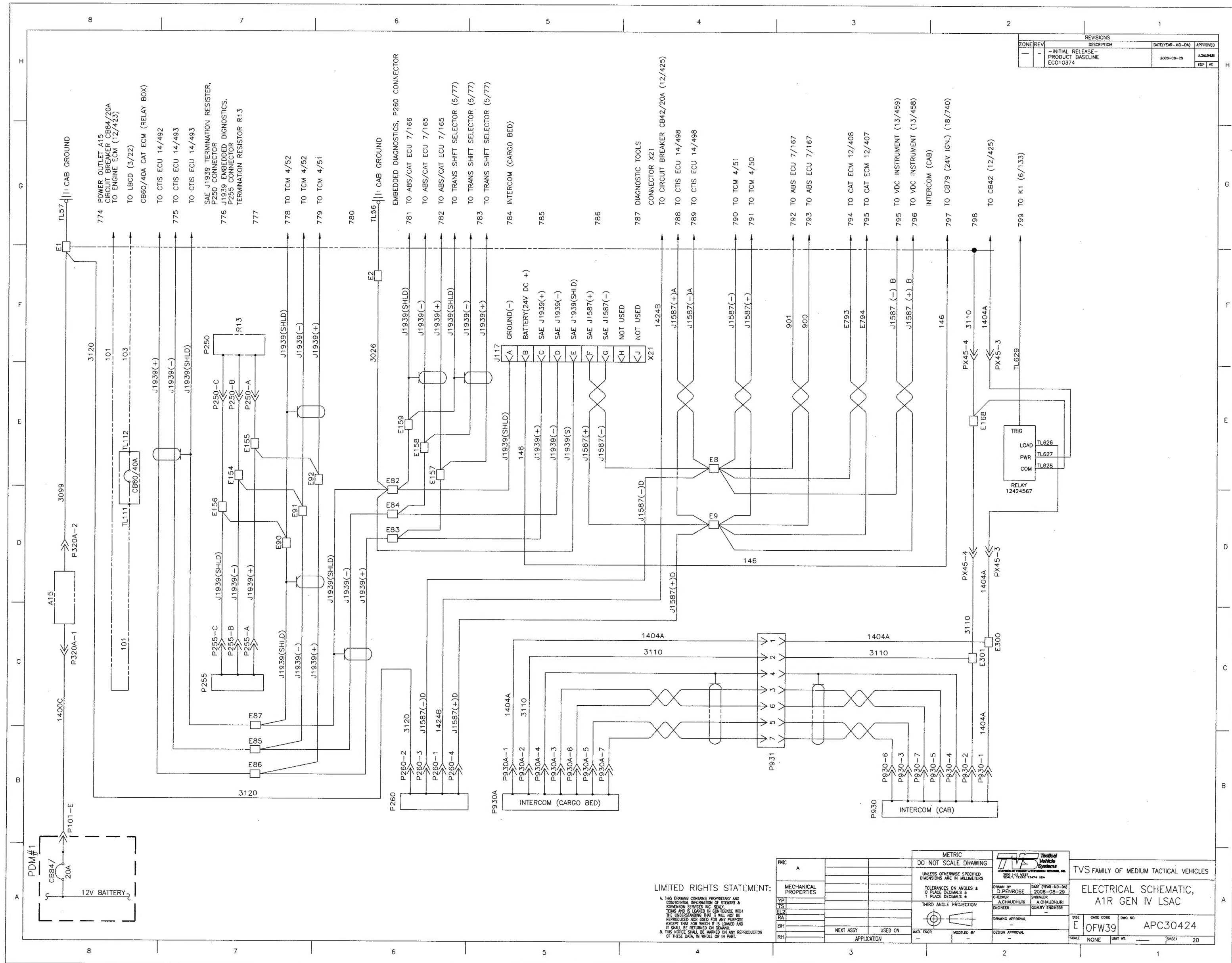


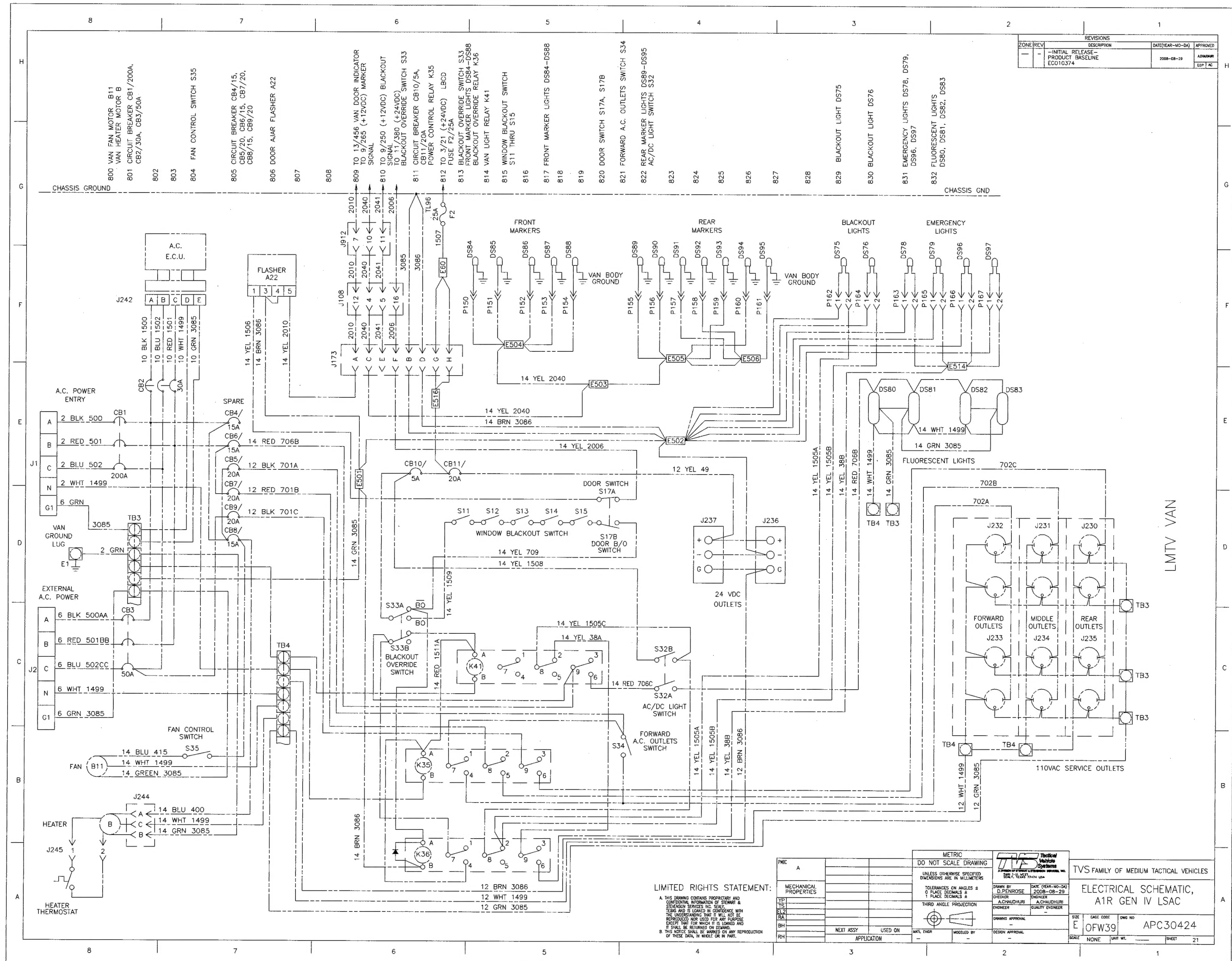


LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & SPENCER SERVICES INC. AND IS LOANED TO YOUR AGENCY FOR YOUR USE ONLY. IT IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

PHIC		A		METRIC		DO NOT SCALE DRAWING		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES				UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ±		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
TYP				THIRD ANGLE PROJECTION		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2009-08-29	
TS						CHECKED A. CHAUDHURI		ENGINEER A. CHAUDHURI	
RA						DRAWING APPROVAL		QUALITY ENGINEER	
BH						NEXT ASSY		USED ON	
RH						APPLICATION			
						SCALE NONE		SHEET 19	





REVISIONS		DATE (YEAR-MO-DA)	APPROVED
ZONE	REV		
1	1	2008-08-29	ADW/MP
INITIAL RELEASE PRODUCT BASELINE EC010374			EXP 1 AC

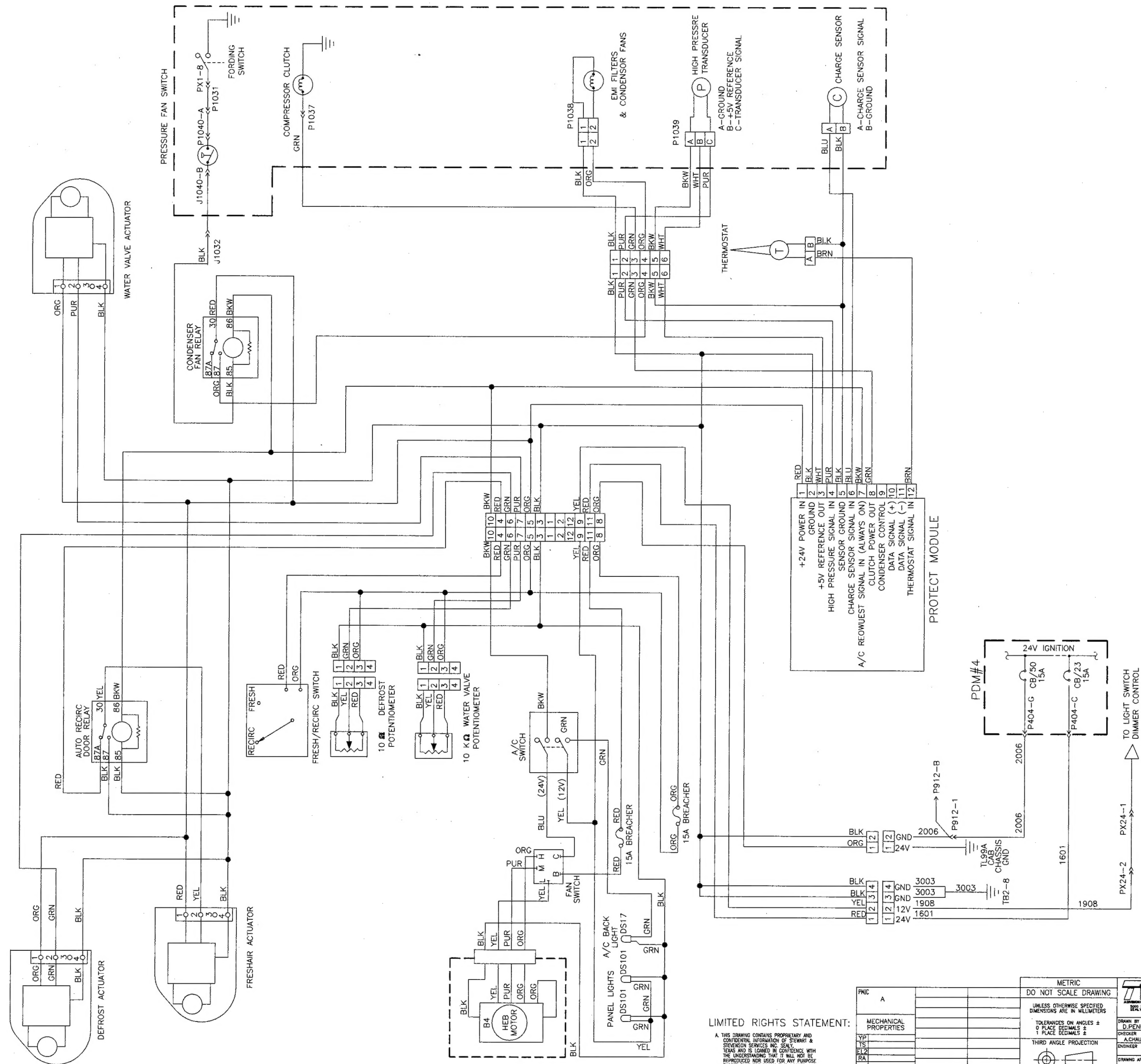
LIMITED RIGHTS STATEMENT:

A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF STEARNS & KENNERLY SERVICES INC. (SKS). IT IS LOANED TO YOU IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND. B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA IN WHOLE OR IN PART.

PHIC	A	DO NOT SCALE DRAWING		METRIC		TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		TOLERANCES ON ANGLES ± 0 PLACE DECIMALS ± 1 PLACE DECIMALS ± 1		ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
YEL		THIRD ANGLE PROJECTION		DRAWN BY D. PENROSE		DATE (YEAR-MO-DA) 2008-08-29	
TS				CHECKER A. CHAUDHURI		ENGINEER A. CHAUDHURI	
EL2				DRAWING APPROVAL		QUALITY ENGINEER	
RA				DESIGN APPROVAL			
BH				MATERIAL		SCALE NONE	
RH				MODELED BY		UNIT WT.	
NEXT ASSY USED ON		APPLICATION		SHEET 21		DWG NO APC30424	

SCHEMATIC-WIRING  
R-5760 24V

A1R GEN IV



LIMITED RIGHTS STATEMENT:  
A. THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF THE U.S. GOVERNMENT AND IS LOANED TO YOUR AGENCY IN CONFIDENCE. IT IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSES EXCEPT THAT FOR WHICH IT IS LOANED AND IT SHALL BE RETURNED ON DEMAND.  
B. THIS NOTICE SHALL BE MARKED ON ANY REPRODUCTION OF THESE DATA, IN WHOLE OR IN PART.

METRIC	
DO NOT SCALE DRAWING	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES ON ANGLES ±	
0 PLACE DECIMALS ±	
1 PLACE DECIMALS ±	
THIRD ANGLE PROJECTION	
DATE	2008-08-29
DESIGNED BY	D. PENROSE
CHECKED BY	A. CHAUDHURI
ENGINEER	QUALITY ENGINEER
DRIVING APPROVAL	
DESIGN APPROVAL	

TVS FAMILY OF MEDIUM TACTICAL VEHICLES	
ELECTRICAL SCHEMATIC, A1R GEN IV LSAC	
SIZE	E
CAGE CODE	OFW39
QWG NO	APC30424
SCALE	NONE
UNIT WT.	
SHEET	22